

MINISTRY OF OIL  
ESTABLISHMENT NAME : NORTH OIL COMPANY  
LOCATION : ALL AREAS  
PROJECT 01-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0001	SPARE PARTS FOR HITACHI TURBINE (MECHANICAL)	26	ITEM	Kirkuk, Bai Hassan & Jambur compressor stations
08-10-01-01-0002	REPAIR OF HP ROTOR OF HITACH TURBINE-ABROAD.	1	ITEM	Overseas repair to rotor
08-10-01-01-0003	RETROFIT OF OBSOLETE HITACHI G.T & STATION CONTROL SYSTEMS OF AB-8 GAS COMPRESSOR STATION .	1	SET	Retrofit required as turbines over recommended service intervals and unobtainable
08-10-01-01-0004	SPARE PART FOR HITACHI GAS TURBINE (INSTRUMENTATION).	70	ITEM	As above
08-10-01-01-0005	REPAIR OF M.H.I. GAS COMPRESSOR ROTOR-ABROAD.	2	ITEM	As above
08-10-01-01-0006	SPARE PARTS FOR SULZER S7 TURBINE AT K3 STATION.	23	ITEM	Parts for K3 turbine installations
08-10-01-01-0007	REPAIR OF HP ROTOR FOR SULZER TURBINE-ABROAD	2	ITEM	Overseas repair to rotor
08-10-01-01-0008	REPLACEMENT OF EXISTING OBSOLETE CONTROL SYSTEMS GAS TURBINE CONTROL PANEL OF SULZER TURBINE AT K3.	3	SET	Retrofit required as turbines over recommended service intervals and unobtainable
08-10-01-01-0009	SPARE PARTS FOR G.E.C TURBINE. TYPE (EM85)	32	ITEM	Water injection system at ZAB
08-10-01-01-0010	SPARE PARTS FOR RUSTON TURBINE. TYPE (TA1750)	11	ITEM	Avannah pumping station
08-10-01-01-0011	REPLACEMENT OF THE OBSOLETE & INOPERATIVE CONTROL SYSTEM ( PANELS) FOR GEC EM 85 (6 UNITS) & RUSTON TA 1750 GAS TURBINES (3 UNITS) COMPLETE WITH INSTALLATION SUPERVISION	10	UNIT	Avannah pumping station in ZAB area
08-10-01-01-0012	RETROFIT CONTROL SYSTEM FOR SULZER GAS TURBINE AT K1 & T1 PUMPING STATION	6	SET	Requirements for pumping stations
08-10-01-01-0013	REPAIR OF ROTOR OF MAN-GHH SCREW GAS COMPRESSOR. TYPE SKULL. 408	2	ITEM	Compressor at AB-11
08-10-01-01-0014	REPAIR OF COMPLETE ASSY., SOLAR GAS TURBINE TYPE CS4000	1	ITEM	AB stations
08-10-01-01-0015	SPARES FOR SOLAR TURBINE (MECHANICAL)	22	ITEM	AB stations
08-10-01-01-0016	SPARE FOR SOLAR TURBINE (INSTRUMENTATION).	150	ITEM	AB stations

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08-10-01-01-0017	VALVES AND FITTING FOR OLD PROCESS PLANTS	6	ITEM	General maintenance and spare parts
08-10-01-01-0018	GENERAL PARTS FOR HEAT. EXCHANGER	8	SET	As above
08-10-01-01-0019	SPARE PARTS FOR BROOM AND WADE . AIR COMPRESSORS	1	ITEM	As above, for degassing stations
08-10-01-01-0021	VARIOUS MACHINES / FOR WORK SHOPS	1	ITEM	Lathes for workshops
08-10-01-01-0022	VARIOUS TOOLS	13	ITEM	Workshop tools
08-10-01-01-0023	VARIOUS CONSUMABLES	23	ITEM	Workshop grinding bits, gloves
08-10-01-01-0024	FERROUS MATERIALS	4	ITEM	Angle iron plates, tank plates
08-10-01-01-0025	WELDING ELECTRODES	8	ITEM	For repair and maintenance
08-10-01-01-0026	ELECTRIC SUBMERSIBLE WATER PUMPS.	30	SET	For back up water injection supply
08-10-01-01-0027	SUPPLY OF VARIOUS REFRIGERATION EQUIPMENT.	21	ITEM	Central A/C systems
08-10-01-01-0028	VARIOUS TURNING MACHINERY AND EQUIPMENT	9	ITEM	Lathes for workshops
08-10-01-01-0029	VARIOUS WELDING MACHINES AND EQUIPMENT	9	ITEM	Repair and maintenance
08-10-01-01-0030	SUPPLY OF VARIOUS PIPES	10	ITEM	15 kms from 10 to 24"

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08-10-01-01-0036	ELECTRICAL SPARE PARTS FOR GAS COMPRESSOR STATIONS & DEGASSING STATIONS, PUMPS STATION	150	ITEM	Repair to compressor and degassing stations
08-10-01-01-0037	SPARE PARTS FOR 2X20MW GAS TURBINE	100	ITEM	Spares for Kirkuk power station
08-10-01-01-0038	SPARES FOR ALL NEW STATIONS OF WET CRUDE OIL PLANT	100	ITEM	Avanah/Bai hassan wet crude units
08-10-01-01-0039	OVER GROUND PASSIVELY COOLED SHELTERS .	2	ITEM	Convection units in drilling sites
08-10-01-01-0040	DUPLICATED SETS OF SOLAR POWER SYSTEM .	9	SET	Power for drilling sites
08-10-01-01-0042	TWO CHANNEL DIGITAL RADIO LINKS.	10	LINK	Comms for drilling sites
08-10-01-01-0043	HEAVY DUTY TELESCOPIC TRAILER MAST .	10	SET	Comms for drilling sites
08-10-01-01-0044	11-6-1 DIGITAL SELECTIVE LEVEL METER (200Hz. . . 1.06 MHz)	1	NO.	Maintenance of telecoms and control systems in degassing and compressor stations
	1.TUNABLE(VHF-UHF) DIGITAL LEVEL GENERATOR(200Hz...1.06MHz	1	NO.	As above
	11-6-3 FREQUENCY COUNTER (UP TO 1 GH <sub>2</sub> )	1	NO.	As above
	11-6-4 RF POWER METER + PROBE (SENSOR) (DOWN TO 1 MICRO WATT)	1	NO.	As above
	RF SIGNAL GENERATOR (FM / AM / PM) (UP TO 1 GH <sub>2</sub> ) TO BE USED IN THE MAINTENANCE OF DEGASSING AND COMPRESSOR STATIONS.	1	NO.	As above

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08-10-01-01-0045	- UNDERGROUND ARMoured PETROLEUM JELLY FILLED (0.8 ) MM COPPER CONDUCTOR .	50	KM.	Repairs to control systems
	- SELF SUPPORTING PLASTIC – INSULATED CABLE.	30	KM.	As above
	- CABLE HEAD TERMINALS.	200	NOS.	As above
	- SPLICE CLOSURE HEAT SHRINKABLE FOR UNDER GROUND CABLES.	350	NOS.	As above
	- DISTRIBUTION CABINET BOXES .	120	NOS.	As above
08-10-01-01-0046	FLAMEPROOF TELEPHONE SETS FOR HAZARDOUS AREAS	50	NOS.	Comms for hazardous areas
08-10-01-01-0047	FIELD INSTRUMENTATION FOR AB-11 GAS COMP.	35	ITEM	Control instrumentation
08-10-01-01-0048	FIELD CONTROL & MEASURING INSTRUMENTS FOR PROCESS PLANT	9	ITEM	North Gas process plant
08-10-01-01-0049	SPARES FOR CONTROL & MEASURING INSTRUMENTS OF KHABAZ DEGASSING COMPRESSOR STATION.	50	ITEM	Maintenance and repair
08-10-01-01-0050	CONTROL & MEASURING INSTRUMENTS ERECTION MATERIALS FOR ALL N.O.C LOCATIONS (PROCESS TUBES, FITTINGS, CONDUITS, ...etc)	50	ITEM	Requirements to repair control system in NOC area
08-10-01-01-0051	CHLORINATOR FOR ALL LOCATIONS.	30	ITEM	For provision of drinking water on sites
08-10-01-01-0052	SPARE PARTS FOR EAST BAGHDAD FIELD (INSTRUMENTATION).	30	ITEM	Replacement instrumentation

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0053	STEAM BOILER TRAILER MOUNTED WITH VEHICLE AND RECOMMENDED SPARE PARTS: - CAPACITY 3 TON / HOUR - CAPACITY 5 TON / HOUR	1	SET	Steam generation for general repairs
		1	SET	"
				"
08-10-01-01-0054	AUTOMATIC SAFETY VALVES WITH PILOT FOR OIL & GAS WELL FLOW LINES WITH RECOMMENDED SPARE PARTS	60	SET	Equipment especially required to deal with the high well pressures in Saddam field
08-10-01-01-0055	CONTROL VALVE FOR AVANA WET CRUDE TREATMENT PLANT, WITH RECOMMENDED SPARE PARTS: - (12") DIAMETER, EMERGENCY SHUT DOWN VALVE - (12") DIAMETER PRESSURE CONTROL VALVE - (8") DIAMETER PRESSURE CONTROL VALVE	1	SET	Control equipment for the Avannah Dome area
				As above
		1	SET	As above
		3	SET	As above
08-10-01-01-0056	COMPLETE OIL STORAGE TANK FOR OFF SPECIFICATION PRODUCT OIL AT NAFTKHANA OIL FIELD CAPACITY:5000 BBL. WITH AUXILIARY SYSTEMS (FLARE, FIREFIGHTING, INSTRUMENTATION ...ETC), WITH RECOMMENDED SPARE PARTS	25	ITEM	Tanks to deal with high volume of "off-spec" oil with very high water and gas contents

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08-10-01-01-0057	VARIOUS EQUIPMENT (FLANGES, STUD BOLTS, GASKET & ELBOWS ...ETC) FOR GENERAL MAINTENANCE IN ALL NOC FIELDS	300	ITEM	General maintenance requirements
08-10-01-01-0058	SAFETY VALVES FOR VESSELS AT GAS COMPRESSOR STATIONS & IT PIPELINE, WITH RECOMMENDED SPARE PARTS.	100	ITEM	Spares for safety valves
08-10-01-01-0059	COMPLETE GEAR BOX FOR MAIN PUMP VALVES, WITH RECOMMENDED SPARE PARTS	14	ITEM	Repairs Ain Zalah gear boxes
08-10-01-01-0060	SPARES FOR NUOVOPIGNONI BOOSTER & TRANSFER PUMPS.	4	ITEM	Spares for ITP pumps
08-10-01-01-0061	STEEL PIPE 8" DIAMETER FOR T/1	27	KM.	Spares for pipelines
08-10-01-01-0062	SPARE PARTS FOR GATE VALVE	15	ITEM	K1 tank farm valve spares
08-10-01-01-0063	WATER TREATMENT UNIT WITH CHLORINE UNIT FOR AIN ZALAH OIL FIELD WITH RECOMMENDED SPARE PARTS	25	ITEM	Water treatment for Ain Zalah field

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0065	VARIOUS PUMPS FOR PRODUCTION FACILITIES WITH RECOMMENDED SPARE PARTS:			Equipment for pumps maintenance
	- WET CRUDE OIL PUMP FOR NAFTKHANA OIL FIELDS.	3	SET	"
	- SLOP PUMP FOR AVANA WET CRUDE TREATMENT PLANT.	2	SET	"
	- WET CRUDE OIL PUMP FOR JABAL BUR OIL FIELDS.	2	SET	"
	- WASTE OIL PUMP FOR K/1 STATION.	2	SET	"
	- OIL PUMP FOR AIN ZALAH.	1	SET	"
	- RAW WATER PUMP FOR AIN ZALAH.	1	SET	"

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0067	INSULATION MATERIALS FOR HEATERS & CHIMNEYS	1	ITEM	Linings for chimneys
08-10-01-01-0068	SUPPLY OF ELECTRICAL MATERIALS, EQUIPMENT & SPARE PARTS FOR GENERAL MAINTENANCE	150	ITEM	Maintenance requirements

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0069	SUPPLY & SUPERVISION OF (3MW) ERECTION OF ELECTRIC POWER GENERATOR IN K3, POWERED BY GAS TURBINE GTES-6 COMPLETE WITH ALL RELATED SWITCH GEAR, CONTROL & INSTRUMENTATION & ALL OTHER ACCESSORIES WITH SUFFICIENT RECOMMENDED SPARE PARTS.	1	CONTRACT	3 MW stand-by generating plant for K3 tank farm

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08-10-01-01-0070	SUPPLY & SUPERVISION & ERECTION OF CONTROL & INSTRUMENTATION FOR THE OPERATION OF THE K3 STATION (4 OIL TANKS+1) WATER TANK FROM K3 CONTROL ROOM .	3	CONTRACT	Contract for K3 instrumentation and control systems
08-10-01-01-0071	SPARE PARTS FOR KHABAZ PLC CONTROLLERS .	18	ITEM	Parts for control system
08-10-01-01-0072	SUPPLY & SUPERVISION OF INSTALLATION OF A NEW CENTRAL TELEPHONE EXCHANGE & RECOMMENDED SPARE PARTS BY A MAIN CENTER BABA WITH A REMOTE UNIT IN ARRAFA CONNECTED BY A MINI LINK .	1	CONTRACT	Telephone system to connect Baba arda with Arrafa area
08-10-01-01-0073	OXYGEN PLANT WITH OUTPUT CAPACITY OF 50 KG/HR OF LIQUID OXYGEN COMPLETE WITH FILLING RING (ONE PLANT) .	1	PLANT	Oxygen plant for Baba industrial area
08-10-01-01-0074	MOBILE WORKSHOP INCLUDING ALL ACCESSORIES, EQUIPMENT, TOOLS, MEASURING TOOLS, DIESEL GENERATOR... ETC. (ON TRUCK) WITH RECOMMENDED SPARE PARTS .	2	ITEM	Equipment for tele-communications department

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08-10-01-01-0075	MOBILE WORK SHOP FOR ELECTRIC USAGE WITH A/C, CHASSIS 4x4, H.P. 250-300, MANUAL TRANSMISSION ASSEMBLY WITH RECOMMENDED SPARE PARTS .	2	ITEM	Electrical workshop
08-10-01-01-0076	MOBILE WORKSHOP CUSTOMIZED FOR PLANT SURVEYOR CONTAINING X-RAY UNIT, DEVELOPING UNIT, DIESEL GENERATOR & ACCESSORIES (1 TRUCK) WITH THE RECOMMENDED SPARE PARTS	1	ITEM	Plant survey department with NDT capability
08-10-01-01-0077	SUPPLY & SUPERVISION OF A NEW ITP TELECOMMUNICATION SYSTEM INCLUDING ALL RADIO & MULTIPLEX EQUIPMENT, PABX & ALL ACCESSORIES COMPLETE WITH A NEW SOLAR POWER SYSTEM FOR THE REPEATERS .	1	ITEM	Communication and control requirement
08-10-01-01-0078	MAINTENANCE & RENOVATION OF PROCESS PLANT INSTRUMENTATION	10	ITEM	Process plant instrumentation maintenance and renovation

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-01-0079	REPLACEMENT OF OBSOLETE CONTROL INSTRUMENTS FOR ITP LINE	10	ITEM	Operational control instrumentation for ITP pipeline
08-10-01-01-0080	PLANT SURVEY EQUIPMENT AND ACCESSORIES	14	ITEM	NBT and QC requirements
08-10-01-01-0081	CONTROL & MEASURING INSTRUMENTS & REPLACEMENT OF PRODUCTION & SEQUENCING CONTROL SYSTEM FOR K3 PUMPING STATION.	13	ITEM	K3 control system repair and maintenance
08-10-01-01-0082	ELECTRIC PABX 200) EXTENSION WITH RECOMMENDED SPARE PARTS.	3	SET	Communications requirements for Ain Zalah, K2 and Jambur regions
08-10-01-01-0083	VARIOUS APPARATUS & EQUIPMENT SUCH AS: LEAK DETECT., CHARGING TOOLS, VACUUM PUMPS, ACID PUMPS... ETC. WITH RECOMMENDED SPARE PARTS FOR CARRYING OUT MECHANICAL MAINTENANCE OF AIR CONDITIONNING SYSTEMS OF CRUDE & GAS PROCESSING FACILITIES IN ALL NOC AREAS	40	NOS.	Safety equipment and air conditioning requirements
08-10-01-01-0084	SUPPLY OF SPARE PARTS FOR REHABILITATION OF AB-6 COMPRESSOR STATION (MECHANICAL)	1	ITEM	Maintenance at AB-6 compressor station

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 PROJECT 01-02 : REHABILITATION /REVAMPING OF EXISTING INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-02-0095	SUPPLY OF EQUIPMENT & TOOLS FOR GAS TURBINE MAINTENANCE	30	ITEM	Repair and maintenance of compressor stations and water injection sites in ZAB area
08-10-01-02-0096	REHABILITATION, MAINTENANCE SERVICE CONTRACT AS WELL AS THE PROVISION OF SPARE PARTS FOR 10 MW STALL LAVAL GAS TURBINE AT BABA & ZAB	30 1	ITEM CONTRACT	As above
08-10-01-02-0097	SUPPLY OF STEEL TUBES & HEADERS FOR PROCESS PLANTS	6	ITEM	As above
08-10-01-02-0098	SUPPLY OF SPARE PARTS FOR COOLING. TOWERS	4	ITEM	As above
08-10-01-02-0099	SUPPLY OF SPARE PARTS FOR PUMPS (VARIOUS)	15	ITEM	As above
08-10-01-02-0100	MOBILE PIPE CONNECTING/DISCONNECTING MACHINE	2	NOS.	As above
08-10-01-02-0101	SUPPLY OF ASPHALT PLANT	1	PLANT	As above
08-10-01-02-0102	SUPPLY OF CONCRETE PLANT	1	PLANT	As above

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 PROJECT 01-02 : REHABILITATION /REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-02-0103	SUPPLY OF INSULATION TAPE AND PRIMER AND PIGS	3	ITEM	Repair and maintenance requirements
08-10-01-02-0104	SUPPLY OF WELDING. TRACTORS WITH RECOMMENDED SPARE PARTS	2	ITEM	"
08-10-01-02-0105	MOBILE DIESEL DRIVEN WELDING MACHINE. WITH RECOMMENDED SPARE PARTS	10	ITEM	"
08-10-01-02-0106	SUPPLY OF MOBILE BOILER & AIR COMPRESSORS WITH RECOMMENDED SPARE PARTS	3	ITEM	"
08-10-01-02-0108	REHABILITATION OF TRAIN (A) & TRAIN (B) OF AB-2 COMPRESSOR STATION.	2	CONTRACT	Contracts for production related surface installation repair
08-10-01-02-0109	REHABILITATION OF TRAIN (B) OF AB-3 COMPRESSING STATION.	1	CONTRACT	"
08-10-01-02-0110	REHABILITATION OF COMPRESSING AND SWEETENING SYSTEMS OF EASTERN BAGHDAD OIL FIELDS.	4	CONTRACT	"
08-10-01-02-0111	SUPPLY OF MATERIALS & EQUIPMENT FOR REHABILITATION & UPGRADING OF CATHODIC PROTECTION STATIONS.	100	ITEM	Maintenance of cathodic protection systems

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PROJECT 01-02 : REHABILITATION /REVAMPING OF EXISTING  
INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-02-0112	REPLACEMENT OF INDUSTRIAL AREA ELECTRICAL SUB STATIONS (11,3.3,0.4) KV WITH SPARE PARTS	20	ITEM	Electrical requirements for Baba industrial area
08-10-01-02-0114	REPLACEMENT OF OBSOLETE CONTROL SYSTEM & SEQUENCING AT (IT1 & IT1A PUMP STATION, K3 PUMP STATION): - CONTROL SYSTEM FOR MAIN/BOOSTER PUMPS & STATION - TANK GAUGING SYSTEM - INSTRUMENTS - INSTRUMENTS & SUCKER ROD PUMPS ELECTRICALLY DRIVEN WITH ALL ACCESSORIES & RECOMMENDED SPARE PARTS FOR SUFAYA FIELD - INSTRUMENTATION FOR K3	100	ITEM	Control and sequencing replacements for ITP export line
08-10-01-02-0115	REPLACEMENT OF CONTROL & MEASURING INSTRUMENTS FOR: BAI HASSAN DEGASSING STATIONS & POWERHOUSE.	50	ITEM	Replacement of control instrumentation at Bai Hassan
08-10-01-02-0116	FLOW METER COMPLETE WITH ACCESSORIES FOR LPG UNDER GROUND STORAGE.	20	SET	Metering and control system for proposed Baba LPG storage
08-10-01-02-0117	VIBRATION MONITORING SYSTEM FOR GAS COMPRESSOR STATIONS.	50	ITEM	NDT requirements for gas compressor stations

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PROJECT 01-03 : SUSTAINING AND ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-03-0125	LOGGING SERVICES CONTRACT TO SURVEY 50 WELLS.	5	ONTRAC	Contract for logging services
08-10-01-03-0126	SERVICES CONTRACT FOR UNDER GROUND STORAGE CAVITIES FOR LPG ( FEASIBLE STUDY AND WORK EXECUTION TO CREATE THREE CAVITIES WITH ALL EQUIPMENT, MATERIALS AND SOFTWARE REQUIREMENT)	3	ONTRAC	Contract to establish 3 new LPG underground storage cavities in salt domes
08-10-01-03-0127	WELL HEADS & X-MAS TREES WITH ACCESSORIES & SPARE PARTS	25	SET	Requirements for sustaining production in NOC region
08-10-01-03-0128	CASING ACCESSORIES (VARIOUS)	5000	NOS.	As above
08-10-01-03-0129	CASING AND TUBING (B135 SIZES, GRADES AND WEIGHTS).	100000	MTR.	As above
08-10-01-03-0130	TRAILER MOUNTED CEMENTING UNITS WITH TRACTIVE UNIT, ALL ACCESSORIES & SPARE PARTS FOR 2 YEARS OPERATION.	2	UNIT	As above
08-10-01-03-0131	MEASURING INSTRUMENTS FOR ENVIRONMENTAL PROTECTION, COMPLETE WITH ALL ACCESSORIES SPARE PARTS	10	SET	Environmental measuring equipment
08-10-01-03-0132	SPARES (RUBBER LINED, VALVES AND FITTINGS) FOR HYDROCHLORIC ACID STORAGE PLANT .	1	SET	Spares required for well workover
08-10-01-03-0133	SERVICE CONTRACT FOR PRODUCTION LOGGING OF WELLS .	2	CONTRACT	Well logging contracts

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-03-0134	CEMENT TRANSPORT SILOES WITH TRACTIVE UNITS EQUIPPED WITH AIR COMPRESSORS AND ALL NECESSARY ACCESSORIES AND SPARE PARTS .	3 1	UNIT LOT	NOC requirements for well-workovers throughout region
08-10-01-03-0136	CEMENT SILOES SKID MOUNTED WITH ALL NECESSARY ACCESSORIES AND SPARE PARTS .	8 1	UNIT LOT	As above
08-10-01-03-0137	DST TOOLS COMPLETE SETS WITH ALL ACCESSORIES & SPARE PARTS	1 1	SET LOT	As above
08-10-01-03-0138	SURGE TANK FOR CEMENTING OPERATION	10	NOS.	As above
08-10-01-03-0139	TRUCK MOUNTED WIRELINE UNITS	2	UNIT	As above
08-10-01-03-0140	MOBILE WELL TESTING SEPARATORS	1	UNIT	As above
08-10-01-03-0141	MUD MATERIALS	15000	TON	As above
08-10-01-03-0142	CEMENT AND ADDITIVES	5000	TON	As above
08-10-01-03-0143	ACID CORROSION INHIBITOR .	150	DRUM	As above
08-10-01-03-0145	SPARE PARTS FOR CEMENTING UNITS & TYRES.	250	ITEM	As above

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CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-03-0146	TUBING HEAD SPOOL, X-MAS TREE, DSA's & ACCESSORIES	25	SET	Head valves, flow line, etc for 25 wells
08-10-01-03-0147	TUBING (VARIOUS SIZES, GRADES & WEIGHTS) .	50000	MTR.	As above
08-10-01-03-0148	SURFACE CONTROL LINE FOR S.S. VALVES WITH CONTROL PANEL	60	SET	As above
08-10-01-03-0149	WIRE LINE EQUIPMENT & SPARES FOR FIELD MEASUREMENT & EQUIPMENT FOR WELL COMPLETION .	1	SET	Well workover requirements
08-10-01-03-0150	COILED TUBING UNIT & NITROGEN UNIT TRAILER TYPE .	1	SET	Well workover requirements
08-10-01-03-0151	CUSTODY TRANSFER METER & PROVERS FOR CRUDE OIL INCLUDING: P.D. METERS TURBINE METERS, MOBILE BI-DIRECTIONAL PROVER & MOBILE MASTER METER PROVER	30	ITEM	Metering systems for internal distribution control

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 PROJECT 01-04 : SAFETY AND ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-04-0160	VARIOUS TYPES OF DIESEL PUMPS FOR ALL NOC FIELDS :			Diesel pump equipment for firefighting
	- SLUDGE DIESEL PUMP, WITH RECOMMENDED SPARE PARTS.	3	ITEM	As above
	- FIRE FIGHTING DIESEL PUMP WITH RECOMMENDED SPARES.	1	ITEM	As above
	- INJECTION PUMP DRIVEN BY DIESEL ENGINE, TRAILER MOUNTED WITH VEHICLE, WITH RECOMMENDED SPARE PARTS.	2	ITEM	As above
08-10-01-04-0161	- BREATHING AIR COMPRESSOR WITH TWO YEARS RECOMMENDED SPARE PARTS	1	ITEM	Compressor for air cylinders as below
08-10-01-04-0162	UNIVERSAL (WATER, FOAM, POWDER) F.F. TRUCK, WITH RECOMMENDED SPARE PARTS	3	ITEM	Fire fighting equipment
08-10-01-04-0163	GULLY EMPTYING TRUCK, WITH RECOMMENDED SPARE PARTS	1	ITEM	Pollution control
08-10-01-04-0164	COMPRESSED AIR BEATHING APPARATUS WITH RECOMMENDED SPARE PARTS	150	NOS.	BA Sets for safety
08-10-01-04-0165	OXYGEN BRATHING APPARATUS, COMPLETE, WITH SPARE PARTS & TECHNICAL CATALOGUES	80	UNIT	O2 breathing sets

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 01-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-05-0170	SUPPLY OF CHILLED WATER COOLING COILS	25	ITEM	Requirements for drilling and maintenance in all NOC areas
08-10-01-05-0171	SUPPLY OF WATER PUMPS FOR COOLING SYSTEM	2	ITEM	As above
08-10-01-05-0172	COOLING EQUIPMENT FOR I.T.P. STATIONS	8	ITEM	As above
08-10-01-05-0178	BUS (18-45) SEATERS, 4x2 WITH RECOMMENDED SPARE PARTS.	10	ITEM	As above

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
08-10-01-06-0185	SURVEYING EQUIPMENT.	12	ITEM	Land survey equipment
08-10-01-06-0186	ARTIFICIAL LIFT FEASIBILITY STUDY FOR KIRKUK OIL FIELD TERTIARY RESERVOIR ( DESIGN AND CONSULTATION) .	1	CONTRACT	Study to increase production from Kirkuk field
08-10-01-06-0187	LAB. TESTING EQUIPMENT FOR OIL WATER & GAS	200	ITEM	Quality control purposes
08-10-01-06-0188	CORE LAB. TESTING EQUIPMENT & THIN SECTION SLIDE MACHINE FOR ROCK & CORE WITH ALL ACCESSORIES & SPARE PARTS + SUPPORTING SOFTWARE .	3	SET	Equipment for core sample analyses
08-10-01-06-0189	- 3D SEISMIC SERVICE CONTRACT FOR KIRKUK OIL FIELD - RESERVOIR STUDY FOR KIRKUK OIL FIELD/TERTIARY RESERVOIR	1	CONTRACT	Seismic survey requirements
		1	CONTRACT	Reservoir study to enhance overall yield
08-10-01-06-0190	SOFTWARE AND HARDWARE PACKAGE FOR RESERVOIR ENGINEERING AND MANAGEMENT COVERING PRODUCTION WELL & FLOW LINES EVALUATION & ANALYSIS, LOGGING INTERPRETATION, DATABASE AND ARCHIVING SYSTEM, THE PACKAGE INCLUDING : - RELEVANT UPDATEABLE SOFTWARE (SPECIALIZED & GENERAL) - LANS WITH SERVERS CONNECTED TO PCS & WORKSTATIONS, NETWORK MATERIALS AND ALL RELEVANT PERIPHERALS [SCANNERS (A0,A3,A4), PLOTTERS (A0,A3), PRINTERS, UPS, CDW & TAPE STORAGE MULTIMEDIA ...ETC] - SUPPORTING UNITS AND MATERIALS	3	SYSTEM	System for reservoir engineering and management to increase production

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH OIL COMPANY  
 LOCATION : JAMBUR FIELD  
 PROJECT 01-07 : DEVELOPMENT PROJECT (JAMBUR FIELD )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-07-0195	GAS PRODUCTION FROM JAMBUR FIELD CONSISTING OF:	5	CONTR ACT	Requirements for initiating
	- PRESSURE REDUCTION SKID			gas production from
	- SWEETENING PLANT			Jambur
	- DEHYDRATION UNITS			field for use in gas
	- HEATERS			fired power stations
	- SEPARATORS			"
	- TRANSFER PIPELINES			"
	- SET OF PUMPS AND MOTOR TO SUITE THE PLANT			"
	- CONTROL SYSTEM			"
- CHEMICALS	"			
- ELECTRICAL SWITCH AND ACCESSORIES	"			

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH OIL COMPANY  
 LOCATION : KIRKUK FIELD  
 PROJECT 01-08 : DEVELOPMENT PROJECT  
 (KHURMALA DOME PROJECT )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-08-0196	- LINES PIPES, DIFFERENT DIAMETERS CONSISTING OF FLOW	500000	METER	Requirements for
	LINES, TRUNK LINES, SERVICE LINES ( OIL, GAS & WATER )			100,000 barrels per day
	INCLUDING LAUNCHERS & RECEIVERS TRAPS, WRAPPING			development project
	MATERIALS, STRUCTURAL STEEL FOR SUPPORTS, LIGHTING			at the
	& CATHODIC PROTECTION SYSTEM.			Khurmala Dome.
	- MATERIALS FOR WELL HEAD CONNECTIONS	65	SET	(Please note this is a
	- CONSTRUCTION MATERIALS, CONSTRUCTION AIDS AND	100	ITEM	provisional listing)
	CONSUMABLES			As above
	- DRAINAGE SYSTEM INCLUDING PIPING & DRAINAGE VESSELS	3	SET	As above
	- VALVES AND FITTINGS	3	SET	As above
- SPERATION BANKS ( 2 X 25000 BPD) PRODUCTION 3 PHASE SEPA	3	SET	As above	
- TEST BANK ( 1 X 10000 BPD ) 3 PHASE SEPARATOR	3	SET	As above	
- BALACE VESSELS ( 1 X 50000 BPD)	2	NOS.	As above	
- PUMPS ( MAIN CRUDE PUMPS )	3	SET	As above	

MINISTRY OF OIL  
ESTABLISHMENT NAME : NORTH OIL COMPANY  
LOCATION : SINJAR AREA  
PROJECT 01-09 : DEVELOPMENT PROJECT  
(UNDER GROUND STORAGE )

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-01-09-0199	SERVICES CONTRACT FOR UNDER GROUND STORAGE IN SALT CAVITIES IN SINJAR AREA (AIN GHAZAL STRUCTURE ).	2	CONTRACT	Contract for underground storage facilities

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : ALL AREAS  
PROJECT 02-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0220	SPARE PARTS FOR ELECTRICAL SUBMERSIBLE PUMP	100	ITEM	Parts and equipment for drilling
08-10-02-01-0221	SPARE PARTS FOR PUMPING UNITS	100	ITEM	and well completion
08-10-02-01-0222	SPARE PARTS FOR X-MASS TREE AND WELL HEAD	100	ITEM	in SOC area
08-10-02-01-0223	SPARE PARTS & ACCESSORIES FOR CEMENTING STORAGE TANKS	100	ITEM	As above
08-10-02-01-0224	DEMULSIFIER FOR CRUDE OIL TREATMENT	25000	DRUM	Dewatering chemicals for wet crude oil
08-10-02-01-0226	WATER TREATMENT CHEMICALS COMPRISED MAINLY OF ALUMINIUM SULPHATE, ZINC SULPHATE, POLY ACRYMIDE & SODIUM DICHROMATE	4020	TON	Treatment chemicals for water injection and industrial water treatment
08-10-02-01-0227	QUALITY CONTROL APPARATUS & CHEMICALS FOR OIL & GAS TREATMENT	1685	NOS.	Apparatus and consumables
		3420	LTR.	for treatment
08-10-02-01-0228	OVER HAUL FOR STRATEGIC PIPELINE GAS TURBINES (3 NOS.)	3	CONTRACT	Turbine repairs for strategic line
08-10-02-01-0229	S/P FOR STRATEGIC PIPELINE GAS TURBINES	1200	NOS.	Spare parts for above
08-10-02-01-0230	S/P FOR STRATEGIC PIPELINE GAS COMPRESSORS	1050	NOS.	"
08-10-02-01-0231	LINING MATERIALS FOR CRUDE OIL STORAGE TANKS (Z1, Z2 )	3	ITEM	Epoxy resin lining for tanks
08-10-02-01-0232	WELL HEAD MAINTENANCE MOBILE WORK SHOP AND TRUCK WITH LIFT CRANE	10	NOS.	Workshop and lifting equipment for well head maintenance

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 RAW WATER & INDUSTRIAL WATER PIPE LINES &  
 ACCESSORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0235	VALVES ( GATE, BALL, CHECK ) OF DIFFERENT SIZES FOR THE ABOVE PIPES AND DIFFERENT ANSI CLASS.	50	ITEM	throughout
08-10-02-01-0237	ELECTRICAL FEEDING TRANSFORMERS, SWITCHGEARS, CABLING, ACCESSORIES AND SPARE PARTS.	50	ITEM	area

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0238	SPARE PARTS FOR DIESEL ENGINES	750	ITEM	General maintenance
08-10-02-01-0239	LOW & MEDIUM VOLTAGE ELECTRICAL MOTORS & ACCESSORIES	200	ITEM	requirements
08-10-02-01-0240	LOW & MEDIUM VOLTAGE SWITCH GEAR & ACCESSORIES	350	ITEM	throughout
08-10-02-01-0241	ELECTRIC TRANSMISSION LINE POWER TRANSFORMER AND ACCESSORIES	150	ITEM	SOC
08-10-02-01-0242	BALL AND ROLL BEARING DIFFERENT SIZE FOR MOTOR & PUMPS MAINTENANCE	200	ITEM	area

LOCATION : ALL AREAS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 MATERIALS FOR W/S & WAREHOUSE

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0244	DRINKING WATER COOLER (50-80) LTR CAP.	150	NOS.	for
08-10-02-01-0245	BAKERY OVEN	30	NOS.	work shops & warehouses
08-10-02-01-0246	ELECTRICAL COOKER WITH OVEN	25	NOS.	in SOC area

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 CRUDE OIL FLOW LINES, VALVES & FITTINGS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0248	PIPE WRAPPING MATERIAL TO INCLUDE PRIMER, INNER AND OUTER WRAPPING TAPES .	50	ITEM	As above
08-10-02-01-0249	VALVES (GATE, BALL, CHECK, NEEDLE) OF SIZES (1/2,3/4,4,6,8,10,12,14) INCH & OF ANSI RATING OF CLASS 600#, 900#, 1500# & 2500#	200	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 CRUDE OIL TRANSFER PIPE LINES, VALVES & FITTINGS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0252	VALVES OF DIFFERENT TYPES, SIZES AND PRESSURE RATING	50	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : MISSAN FIELDS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 DEGASSING STATIONS, OIL STORAGE DEPOTS,  
 TANK FARMS & PUMPING STATION FOR MAINTENANCE  
 AND OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0254	PUMPS OF DEFERENT ýý TYPES WITH SPARES & ýýACCESSORIES	300	ITEM	Maintenance requirements
08-10-02-01-0256	ýýSPARES FOR INDIRECT CRUDE OIL HEATERS	150	ITEM	As above
08-10-02-01-0257	INSTRUMENTATION- ýýGENERAL MECHANICAL & ELECTRICAL MATERIALS	600	ITEM	As above
08-10-02-01-0258	ýýLINE PIPE CARBON STEEL OF DEFFERENT SIZES	100	KM.	As above
08-10-02-01-0259	CONTROL PANEL FOR SOLAR TURBINE / OR RETROFIT	50	ITEM	Retrofit control panel for turbine in Missan field
08-10-02-01-0260	VALVES & PIPE FITTINGS	7000	NOS.	Maintenance requirements
08-10-02-01-0261	CRUDE OIL TANK MAINTENANCE EQUIPMENT	3	ITEM	De-sludgers

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : MISSAN FIELDS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0265	SKID MOUNTED ELECTRIC SUBSTATION (132/33) KV CAPACITY 15M	100	ITEM	Electrical Sub-station
08-10-02-01-0266	TOOLS & EQUIPMENT FOR MAINTENANCE OF FIELD DEVICES	100	ITEM	Maintenance requirements
08-10-02-01-0267	COMMUNICATION EQUIPMENT NEEDED FOR ALL DEG. STATIONS WITH SPARES & ACCESSORIES	150	ITEM	Replacement control equipment

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : AL BAKER TERMINAL  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0268	WORK SHOP MOUNTED ON FLOATING PONTOON WITH CRANE 250 TONS (L.CAPACITY)	50	ITEM	Repair requirements for Mina al-Bakr terminal
08-10-02-01-0269	FIELD DEVICES & EQUIPMENT & SPARE PARTS FOR TELESCOPIC GANG WAY & HYDRAULIC UNITS	200	ITEM	As above

LOCATION : ZUBAIR, NORTH & SOUTH RUMAILA  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 DEGASSING STATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0270	SPARE PARTS FOR RUSTON TA-1750 GAS TURBINES .	180	ITEM	Maintenance requirements for de-gassing stations
08-10-02-01-0271	SPARE PARTS FOR BYRON JACKSON & UNITED PUMPS .	100	ITEM	As above
08-10-02-01-0272	SPARE PARTS FOR FRESH & SALTY WATER PUMPS .	165	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : NORTH & SOUTH RUMAILA  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 GAS COMPRESSION STATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0273	SPARE PARTS FOR HITACHI GAS COMPRESSORS .	150	ITEM	Gas compression station
08-10-02-01-0274	SPARE PARTS FOR NOUVO PIGNONE GAS TURBINES .	50	ITEM	turbine and
08-10-02-01-0275	SPARE PARTS FOR BROOM & WADE AIR COMPRESSORS .	200	ITEM	compressor
08-10-02-01-0276	SPARE PARTS FOR TURBO COMPRESSORS & TURBO GENERATOR	150	ITEM	maintenance
08-10-02-01-0277	SPARE PARTS FOR NATURAL GAS REFRIGERATION UNIT & GLYCOL REGENERATOR	120	ITEM	requirements in
08-10-02-01-0278	UNITS & SPARES FOR GAS COMPRESSION STATIONS	30	ITEM	SOC area

LOCATION : NORTH, SOUTH RUMAILA & GARMA  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS  
 WATER TREATMENT & INJECTION SYSTEM

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0279	PUMPS & SPARE PARTS FOR WATER TREATMENT & WATER INJECTION STATIONS .	500	ITEM	maintenance requirements for Gharmat Ali water intake and treatment plant for SOC treated water systems

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : OIL STORAGE DEPOTS, TANKFARMS & PUMP STATIONS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0280	SPARE PARTS FOR A.A.F MULTI DUTY AIR FILTERS TYPE : DD PANEL & OVERHEAD CRANES	40	ITEM	General maintenance requirements
08-10-02-01-0281	SPARE PARTS FOR VERTICAL BOOSTER PUMPS & VERTICAL CENTRIFUGAL PUMPS .	70	ITEM	As above
08-10-02-01-0282	SPARE PARTS FOR INGERSOLL RAND GAS TURBINES GT / 53	10	ITEM	As above
08-10-02-01-0283	UNITS & SPARES FOR OIL DEPOTS TANK FARMS & PUMP STATIONS	200	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL FIELDS  
 PROJECT 02-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-01-0284	INTELLIGENT PIGGING OF PIPELINES	4	CONTRACT	Contracts to establish condition of SOC pipelines
		500	ITEM	
08-10-02-01-0285	PIPELINES COATING INSPECTION & CATHODIC PROTECTION ASSESSMENT	500	ITEM	NDT inspection and assessment
08-10-02-01-0286	EQUIPMENT & MATERIALS FOR ENGINEERING INSPECTION ACTIVITIES	600	ITEM	Pipeline NDT requirements
08-10-02-01-0287	EQUIPMENT & MATERIALS FOR WELDING TRAINING CENTER	600	ITEM	Training equipment
08-10-02-01-0288	EQUIPMENT & MATERIALS FOR CATHODIC PROTECTION SYSTEMS	600	ITEM	Pipeline protection requirements

LOCATION : ZUBAIR, NORTH & SOUTH RUMAILA  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-02-0299	SERVICE CONTRACT TO REFURBISH GOVERNOR'S ACTUATORS, LIMITERS & GAS VALVES .	10	CONTRACT	Contracts to maintain pipeline operations
08-10-02-02-0300	SERVICE CONTRACT ENGINEERING INSPECTION OF ROTATING MACHINERIES & ASSOCIATED EQUIPMENT	15	CONTRACT	Contracts to ascertain condition of machinery

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : TUBA TANK FARM CONTINUATION OF  
 THE REHABILITATION OF TUBA TANK FARM  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-02-0301	- STORAGE TANKS CAPACITY (66) THOUSAND M <sup>3</sup> WITH ALL ANCILARY SYSTEMS ( FIRE FIGHTING, CATHODIC PROTECTION, LEVEL MEASUREMENT AND INSTRUMENTATION , MIXERS, SEALS, PAINTS EXTERNAL LIGHTING SYSTEMS) AND CONSTRUCTION MATERIALS AND CONSUMABLE - VERITCAL ELECTRICAL BOOSTER PUMPS WITH ACCESSORIES - BULK MATERIALS FOR ABOVE (PIPING AND FITTINGS, WRAPPING MATERIALS, ELECTRICAL CABLES AND ACCESSORIES AND INSTRUMENTATION	4	SET	Requirements to construct
				4 x 66,000M3 floating
				roof crude oil
				storage tanks
				at Tuba tank farm
		3	SET	
		20	ITEM	

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ZUBAIR - 2 TANK FARM  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-02-0302	- STORAGE TANKS CAPACITY (58) THOUSAND M <sup>3</sup> WITH ALL ANCILARY SYSTEMS FIRE FIGHTING, CATHODIC PROTECTION, LEVEL MEASUREMENT AND INSTRUMENTATION , MIXERS, SEALS, EXTERNAL LIGHTING SYSTEMS, PAINTS, CONSTRUCTION MATERIALS AND CONSUMABLE - BULK MATERIALS FOR ABOVE (PIPING AND FITTINGS, WRAPPING MATERIALS, ELECTRICAL CABLES AND ACCESSORIES AND INSTRUMENTATION - VALVES, FITTINGS,.... ETC	5	SET	Requirements to construct
				5 x 58,000M3 floating
				roof storage tanks
				for crude storage
				at Zubair - 2
				tank farm
		25	ITEM	
		14	ITEM	

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ZUBAIR-1 TANK FARM  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-02-0303	- STORAGE TANKS CAPACITY (33) THOUSAND M <sup>3</sup> WITH ALL ANCILLARY SYSTEMS (FIRE FIGHTING, CATHODIC PROTECTION, LEVEL MEASUREMENT & INSTRUMENTATION, SEALS, MIXERS EXTERNAL LIGHTING SYSTEM, PAINTS, CONSTRUCTION MATERIALS & CONSUMABLES	1	SET	Requirements to construct 1 x 33,000M3 crude oil floating roof storage tank at Zubair - 1 Tank Farm
	- BULK MATERIALS FOR ABOVE (PIPING & FITTINGS, WRAPPING MATERIALS, ELECTRICAL CABLES & ACCESSORIES & INSTRUMENTATION	5	ITEM	
	- VALVES, FITTINGS... ETC.	4	ITEM	

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-02-0304	REFURBISHMENT OF VARIOUS TURBINE UNITS & ASSOCIATED PARTS & EQUIPMENT / SERVICE CONTRACTS	50	ITEM	Repair and maintenance requirements
08-10-02-02-0305	REHABILITATION OF ELECTRICAL SYSTEMS & SPARES	750	ITEM	Repair and maintenance requirements
08-10-02-02-0306	REHABILITATION OF MECHANICAL EQUIPMENT & SPARES	800	ITEM	Repair and maintenance requirements
08-10-02-02-0307	REHABILITATION OF INSTRUMENTATION EQUIPMENT & SPARES	900	ITEM	Repair and maintenance requirements
08-10-02-02-0308	REHABILITATION OF WORKSHOPS & ENGINEERING SERVICES UNITS & SPARES	900	ITEM	Repair and maintenance requirements

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : PUMPING STATION-1 AT RUMAILA NORTH  
PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES  
CONTINUATION OF THE SUSTAINING & ENHANCING  
PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0314	- STORAGE TANKS CAPACITY (82) THOUSAND M <sup>3</sup> WITH ALL ANCILLARY SYST. (FIRE FIGHTING, CATHODIC PROTECTION, LEVEL MEASUREMENT & INSTRUMENTATION, MIXERS, SEALS, PAINTS, EXTERNAL LIGHTING SYSTEMS, & CONSTRUCTION MATERIALS & CONSUMABLES - BULK MATERIALS FOR ABOVE (PIPING & FITTINGS, WRAPPING MATERIALS, ELECTRICAL CABLES & ACCESSORIES & INSTRUMENTATION - VALVES, FITTINGS... ETC.	1	SET	Requirements to construct
				1 x 82,000M3
				storage tank
				at
				Rumailah North
				pumping station
		5	ITEM	
		4	ITEM	

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0315	CASING	200	KM.	Requirements for
08-10-02-03-0316	CASING ACCESSORIES	250	ITEM	drilling
08-10-02-03-0317	TUBING	200	KM.	well workover
08-10-02-03-0318	TUBING ACCESSORIES	100	ITEM	and completion
08-10-02-03-0319	WELL HEAD AND X-MASS TREE	100	ITEM	in
08-10-02-03-0320	VALVES AND FITTINGS	500	ITEM	SOC areas
08-10-02-03-0321	DRILLING BITS & NOZZLES AND ACCESSORIES	200	ITEM	"
08-10-02-03-0323	DRILLING FLUID CHEMICALS	20	ITEM	"
08-10-02-03-0324	ACID ADDITIVES CHEMICALS	20	ITEM	"
08-10-02-03-0325	CEMENT AND ACID PUMPING UNITS WITH ACCESSORIES AND SPARE PARTS	200	ITEM	"
08-10-02-03-0326	AIR COMPRESSOR WITH SPARE PARTS AND ACCESSORIES	100	ITEM	"
08-10-02-03-0328	WELL HEAD WITH ACCESSORIES FOR ESP	100	ITEM	"
08-10-02-03-0329	ELECTRICAL SUBMERSIBLE PUMP WITH ACCESSORIES & SPARE PARTS	100	ITEM	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES  
 DRILLING, COMPLETION & WORK OVER OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0330	NITROGEN UNIT WITH ACCESSORIES AND SPARE PARTS	1	SET	Drilling, well workover
08-10-02-03-0331	TANKER FOR TRANSPORTATION OF DRILLING FLUIDS WITH ACCESSORIES AND SPARE PARTS	10	SET	and completion requirements
08-10-02-03-0332	WIRLINE TOOLS AND ACCESSORIES	500	ITEM	throughout SOC areas
08-10-02-03-0333	MOBILE MULTI-PHASE FLOWMETER AND ACCESSORIES	50	ITEM	"
08-10-02-03-0334	PRODUCTION PACKER AND ACCESSORIES	250	ITEM	"
08-10-02-03-0335	DST TOOLS AND ACCESSORIES	100	ITEM	"
08-10-02-03-0336	WIRELINE TRUCK UNITS WITH CRANE & SPARE PARTS WITH ACCESSORIES	250	ITEM	"
08-10-02-03-0337	EQUIPMENT FOR GEOLOGICAL LABS AND ACCESSORIES	50	ITEM	"
08-10-02-03-0339	PERMANENT RESERVOIR MONITERING AND CONTROL OF OIL PRODUCERS	2	SET	"
08-10-02-03-0341	PLAN-PRINTER	1	NO.	"
08-10-02-03-0343	DRAWING BOARD COMPLETE	5	SET	"
08-10-02-03-0344	CABINS FOR MAPS	10	NOS.	"
08-10-02-03-0346	ACCESSORIES FOR LOG ANALYSIS CENTER (SUPPLY & INSTALLATION)	100	ITEM	"

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0347	CASED-HOLE LOGGING (SERVICE CONTRACT)	1	CONTRACT	Well workover requirements
08-10-02-03-0348	MUD-LOGGING SERVICES ( SERVICE CONTRACT)	1	CONTRACT	Well workover requirements
08-10-02-03-0349	DRILLING & COMPLETION OF VERTICAL WELLS IN DIFFERENT OIL FIELDS	5	CONTRACT	Drilling requirements
08-10-02-03-0350	DRILLING AND COMPLETION OF (TWO) HORIZONTAL WELLS (SERVICE CONTRACT-TURN-KEY)	1	CONTRACT	Drilling requirements
08-10-02-03-0351	TECHNICAL ASSISTANCE IN DEEP AND HORIZONTAL DRILLING (SERVICE CONTRACT)	1	CONTRACT	Drilling requirements
08-10-02-03-0352	TREATMENT OF LOSSE'S ZONES WHILE DRILLING (SERVICE CONTRACT)	1	CONTRACT	Contract for fluid recovery
08-10-02-03-0353	REPAIRING OF DAMAGED VALVES & WELL HEAD (SERVICE CONTRACT)	1	CONTRACT	Repair contract
08-10-02-03-0354	CORROSION MONITORING INCASING (SERVICE CONTRACT)	1	CONTRACT	Corrosion prevention
08-10-02-03-0355	WELL HEAD VALVES AND FITTINGS	500	ITEM	Replacements
08-10-02-03-0356	FLOW LINES & WELL HEAD DEVICES & EQUIPMENT	500	ITEM	Maintenance requirements

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0357	TELECOMMUNICATION EQUIPMENT & ACCESSORIES	100	ITEM	Field communciations
08-10-02-03-0358	INDUSTRIAL PORTABLE CARAVANS FOR REMOTE DESERT AREAS WITH FULL ACCOMMODATIONS (WINDOW TYPE AIR CONDITIONERS, FURNITURE, COOKING FACILITIES... etc) .	25	SET	Prefabricated structures for desert site accommodation
08-10-02-03-0359	PREFABRICATED WORK SHOPS & WAREHOUSES INCLUDING STRUCTURAL STEEL, CLADDING MATERIALS, THERMAL INSULATION, OVERHEAD CRANES COMPLETE WITH OFFICES, ELECRICAL NETWORK WITH AIR CONDITIONERS & ACCESSORIES	50	SET	Prefabricated structures for desert site workshops and offices

LOCATION : LUHAIS  
 PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES  
 LUHAIS COMPLEMENTARY SYSTEMS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0360	ELECTRICAL DISTRIBUTION SYSTEM TO INCLUDE O/H LINES, SWITCH GEARS, MCC'S, TRANSFORMER CABLING & ACCESSORIES.	50	ITEM	Electrical system for control of distribution
08-10-02-03-0361	PIPE LINE 12",14" SIZE OF API 5LX-X52 FOR GAS TRANSMISSION COMPLETE WITH VALVES FITTINGS & ACCESSORIES.	30	ITEM	Requirements for gas distribution
08-10-02-03-0362	CONTROL AND INSTRUMINTATION PACKAGES FOR 1ST STAGE GAS UTILIZATION SYSTEM AND FLOW TANKS.	50	SET	Requirements for gas distribution

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : FAO TANK FARM  
 PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES  
 CONTINUATION OF THE SUSTAINING & ENHANCING  
 PRODUCTION CAPABILITIES OF FAO TANK FARM

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0363	- STORAGE TANKS CAPACITY (58) THOUSAND M <sup>3</sup> COMPLETE WITH ALL ANCILLARY SYSTEMS (FIRE FIGHTING CATHODIC PROTECTION, LEVEL MEASUREMENT & INSTRUMENTATION, SEALS, EXTERNAL LIGHTING SYSTEM, PAINTS, CONSTRUCTION MATERIALS & CONSUMABLES - MAINPUMPS - TURBINE DRIVEN PUMPS - SMALL LOADING PUMPS (ELECTRICALLY DRIVEN) - BOOSTER PUMPS (ELECTRICALLY DRIVEN, VERTICAL CAN TYPE BOOSTERS)	4	SET	Requirements to construct
				4 x 58,000M3 crude oil
				floating roof tanks
				at Fao Tank farm
				to sustain
				export potential
				to Mina al-Bakr
		5	ITEM	"
		2	ITEM	"
		4	ITEM	"
				"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : SOUTH & NORTH RUMALIA OIL FIELD  
 PROJECT 02-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-03-0364	GAS DEHYDRATION UNIT 130 MM SCFD COMPLETE WITH INSTRUMENTATION, PUMPS ELECTRICAL & ACCESSORIES	5	CONTRACT	Gas treatment unit
08-10-02-03-0365	GAS PRE-TREATMENT & LIQUID REMOVAL WITH ACCESSORIES	500	ITEM	Gas treatment unit
08-10-02-03-0367	REHABILITATION OF THE FIRST STRATEGIC LINE INCLUDING INTELLIGENT PIGGING TO IDENTIFY FAILURE AS WELL AS MATERIALS & EQUIPMENT FOR REPAIR	50	ITEM	Pipeline pigging and repair requirements
08-10-02-03-0368	SPARE PARTS FOR MUFTIAH WATER TREATMENT STATION	70	ITEM	Maintenance requirements

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 02-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-04-0381	FIRE FIGHTING MATERIALS & EQUIPMENT	4200 30	DRM. ITEM	Fire fighting consumables
08-10-02-04-0382	HEAVY & LIGHT FIRE FIGHTING TRUCKS FULLY EQUIPPED WITH SYSTEMS & WATER TANKERS WITH SPARES & ACCESSORIES	4 4	SET ITEM	Fire fighting requirements
08-10-02-04-0383	FIRE FIGHTING SYSTEM	100	ITEM	Fire fighting requirements

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-05-0390	ELECTRICAL WELDING MACHINE	20	SET	"
08-10-02-05-0392	CENTRAL CONCRETE MIXING PLANT WITH ALL ACCESSORIES , INCLUDING TRUCK LONCKETE MIXER	4	SET	"
08-10-02-05-0395	MANUAL COMPACTOR	10	NOS.	"
08-10-02-05-0396	JACKHAMMER WITH ACCESSORIES	20	ITEM	"
08-10-02-05-0397	AIRLESS PAINTING SPRAY	20	ITEM	"
08-10-02-05-0398	PIPE WRAPPING MACHINE	10	SET	"
08-10-02-05-0399	WELDING ELECTRODES & ACCESSORIES	500	ITEM	"
08-10-02-05-0400	CUP BRUSHES	5000	NOS.	"
08-10-02-05-0401	GRINDING DISKS	5000	NOS.	"
08-10-02-05-0402	ROTARY EXCAVATOR DIESEL DRIVEN	2	NOS.	"
08-10-02-05-0403	GASKETS & BOLTS	100	ITEM	"
08-10-02-05-0404	CUTTING MACHINE, INCLUDING SCAFFOLD STRUCTURE & ACCESSORIES	40	NOS.	"
08-10-02-05-0405	PLASTIC TILES 1000 M <sup>2</sup>	2	ITEM	"

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-05-0407	SAFE VALUTS DOORS	10	ITEM	"
08-10-02-05-0408	BUS (18-45) SEAT WITH SPARE PARTS	40	NOS.	"
08-10-02-05-0409	AMBULANCE WITH SPARES	6	NOS.	"

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-05-0421	SPARE PARTS FOR LIGHT TRUCK	1350	ITEM	Spare parts
08-10-02-05-0422	FORKLIFT (40) TON CAPACITY	2	NOS.	Maintenance requirements

LOCATION : BAB - AL ZUBAIR  
 PROJECT 02-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-05-0429	MACHINE SHOP EQUIPMENT WITH MEASURING EQUIPMENT & TOOLS	400	ITEM	Workshop requirements
08-10-02-05-0430	FABRICATING, CUTTING & WELDING EQUIPMENT	150	ITEM	Workshop requirements

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
08-10-02-06-0440	EQUIPMENT FOR CENTRAL LAB. AND ACCESSORIES .	50	ITEM	Quality control requirements
08-10-02-06-0441	CHEMICALS FOR LABROTARY	100	ITEM	Consumables for above
08-10-02-06-0442	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS. AT THE SUPPLIER'S WORKS ABROAD	2	CONTRACT	PSI inspection contract
08-10-02-06-0443	CHEMICALS FOR OIL & WATER TREATMENT & LAB. TEST	300	ITEM	Consumables for oil & water treatment

LOCATION : NORTH & SOUTH RUMAILA FIELDS  
 PROJECT 02-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-06-0444	3-D SURVEY & PROCESSING FOR RUMAILAH OIL FIELD TO EVALUTE TRAPPING OF OIL .	1	CONTRACT	Seismic surveying requirements
08-10-02-06-0445	WIRELINE TRUCK FOR WELL MEASUREMENTS WITH MONITORING SYSTEM & SOFTWARE + SPARES & ACCESSORIES	300	ITEM	Wire line trucks for well logging
08-10-02-06-0446	WELL HEAD SERVICE EQUIPMENTS TOGETHER WITH SURFACE & SUBSURFACE WIRELINE & FIELD MESURMENTS DEVICES WITH SPARES & ACCESSORIES	300	ITEM	Well logging requirements

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
08-10-02-06-0447	ELECTRONIC ECHO SOUNDER	2	SET	Off-shore pipeline requirements
08-10-02-06-0450	DRAWING BOARD WITH STOOLS & CABINS & FULL ACCESSORIES	20	SET	Office equipment
08-10-02-06-0451	DOCUMENTATION DRAWING SYSTEM	2	SET	"
08-10-02-06-0452	DOCUMENTATION SYSTEM	2	SET	"
08-10-02-06-0455	COMPUTER SET INCLUDING PLOTTER & SCANNER WITH ALL ACCESSORIES.	20	SET	"

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : NAHAR BEN UMAR (ZUBAIR & YAMAMA FORMATION)  
PROJECT 02-07 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-07-0460	CRUDE OIL PROCESSING & TREATMENT PLANTS FOR THE PRODUCTION OF 50000 B/D WHICH INCLUDE DEGASSING BANKS (4) STAGES, DEHYDRATION / DESALTING, H2S TRIPPING, TEST SEPARATOR, CHEMICAL INJECTION, PACKAGES EFFLUENT WATER TREATMENT & DISPOSAL FACILITIES COMPLETE WITH ALL CONTROL & INSTRUMENTATION, INTERCONNECTING PIPING VALVES & FITTINGS, ELECTRICAL SYSTEM, PROCESS PUMPS & ACCESSORIES	400	ITEM	Initial stages of project for treatment plants at Zubair/Yamama to treat 50,000 barrels per day of crude production
08-10-02-07-0461	DEHYDRATION, DESALTING TRAINS 50000 B/D CAPACITY INCLUDING VESSELS, PUMPS, ELECTRICAL, CONTROL & INSTRUMENT, PIPING, FITTINGS, VALVES, EFFLUENT WATER & DISPOSAL FACILITIES & ALL COMPLEMENTARY ACCESSORIES.	10	SET	As above
08-10-02-07-0462	CRUDE OIL FLOW TANKS 5000 M3, TEST TANKS OF 700 M3 BAD OIL TANK OF 700M3, FIRE WATER TANKS OF 1600 M3 COMPLETE WITH PIPINGS, VALVES, INSTRUMENT AND CONTROL AND ACCESSORIES.	20	SET	Associatd crude flow tanks and other requirements
08-10-02-07-0463	FIRE FIGHTING SYSTEM INCLUDING FOAM SYSTEM SENSING AND ACTUATING SYSTEM, PORTABLE EXTINGUISHER, PIPING, VALVES AND ACCESSORIES.	100	ITEM	Fire fighting systems for above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : NAHAR BEN UMAR  
 (ZUBAIR & YAMAMA FORMATION)  
 PROJECT 02-07 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-07-0464	WELL INLET CRUDE OIL PRODUCTION MANIFOLD CONSISTING OF (4) HEADERS EACH OF 12 WELLS INLET OF CLASSES OF 2500#, 1500#, 900#, 600# & 300# COMPLETE WITH CRUSH VALVES & ACCESSORIES.	4	SET	Equipment and systems associated with previous page
08-10-02-07-0465	FIELD MANIFOLDS, EACH TO HAVE (4) CONNECTION POINTS AND TWO HEADERS PRODUCTION 10" AND TEST 6".	10	SET	As above
08-10-02-07-0466	FLOW LINES AND TRANSFER PIPE LINES OF API 5LX GR. X-60, GR-42 , COATED WITH POLYETHYLENE COATING OF 3 – 4 MM THICKNESS COMPLETE WITH HEAT SHRINKABLE SLEEVES OR BARE PIPES WITH P.E INNER AND OUTER TAPE AND PRIMER OF SIZES 4", 6", 8", 10", 12", 16", 18", 20", 24"	300	KM.	As above
08-10-02-07-0467	PIPE FITTINGS , VALVES AND ACCESSORIES OF DIFFERENT PRESSURE RATING AND SIZES.	500	ITEM	As above
08-10-02-07-0468	CRUDE OIL AND WATER PUMPS VARIOUS SIZES COMPLETE WITH ACCESSORIES AND CONTROL WITH SPARE PARTS.	12	SET	As above
08-10-02-07-0469	ELECTRICAL SYSTEM TO INCLUDE 132 / 33/ 11/0.4 kV TRANSFORMERS AND SWITCH GEAR, O/H TRANSMISSION LINES WITH CONDUCTORS, MEDIUM AND LOW VOLTAGE DISTRIBUTION NETWORK COMPLETE WITH MCC'S CABLING, ACCESSORIES AND EMERGENCY GENERATORS WITH SPARE PARTS.	100	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : NAHAR BEN UMAR  
 (ZUBAIR & YAMAMA FORMATION)  
 PROJECT 02-07 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-07-0470	SERVICE EQUIPMENT TO INCLUDE A/C UNITS, DRINKING WATER, CONSTRUCTION MATERIALS AND TOOLS.	100	ITEM	Equipment and systems associated with previous page
08-10-02-07-0471	TELE COMMUNICATION SYSTEM COMPLETE WITH ALL ACCESSORIES	50	ITEM	As above
08-10-02-07-0472	SPARE PARTS FOR ABOVE EQUIPMENT	10	SET	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : SOUTH RUMAILA OIL FIELD (MISHRIF FORMATION)  
 PROJECT 02-08 : DEVELOPMENT PROJECT  
 MISHRIF QURAINAT & MISHRIF SHAMIYA

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-08-0473	CRUDE OIL WELL INLET MANIFOLD CONSISTING OF THREE HEADERS OF DIFFERENT SIZES AND OF PRESSURE RATING OF ANSI CLASS 900# COMPLETE WITH CRUSH VALVES AND ACCESSORIES.	4	SET	Development of new formation in S Rumailah for 50,000 barrels per day of crude output
08-10-02-08-0474	DEGASSING BANK 50000 B/D CAPACITY OF FOUR STAGES COMPLETE WITH VESSELS, INTERNAL & EXTERNAL ACCESSORIES, INTERCONNECTING PIPING, INSTRUMENT & CONTROL SYSTEM, WELL TESTING POTENTIAL FACILITIES .	50	SET	As above
08-10-02-08-0475	ELECTRICAL FEEDING AND DISTRIBUTION SYSTEM TO INCLUDE, O/H LINES, TRANSFORMERS, SWITCH GEARS, MCC'S, CABLING, LIGHTING, BATTERY CHARGERS AND ACCESSORIES.	100	ITEM	As above
08-10-02-08-0476	CRUDE OIL FLOW TANKS OF 5000 M3, TEST TANKS OF 700 M3, WATER TANKS, COMPLETE WITH NOZZLES, INSTRUMENT AND CONTROL, PIPING, LIGHTENING, LIGHTING, CATHODIC PROTECTION AND ACCESSORIES.	50	SET	As above
08-10-02-08-0477	TRANSFER PIPE LINES, FLOW LINES WITH COATING MATERIAL OF DIFFERENT SIZES RANGING FROM 8" TO 28"	100	KM.	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : SOUTH RUMAILA OIL FIELD (MISHRIF FORMATION)  
 PROJECT 02-08 : DEVELOPMENT PROJECT  
 MISHRIF QURAINAT & MISHRIF SHAMIYA

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-08-0478	PIPE FITTING, VALVES OF DIFFERENT PRESSURE RATING & SIZES & ACCESSORIES	200	ITEM	Development of new formation in S Rumailah for 50,000 barrels per day of crude output
08-10-02-08-0479	CRUDE OIL PUMPS, WATER PUMPS, CHEMICAL INJECTION PACKAGES COMPLETE WITH INTERCONNECTING PIPING, CONTROL SYSTEM AND ACCESSORIES.	10	SET	As above
08-10-02-08-0480	AIR COMPRESSOR PACKAGE COMPLETE WITH AIR FILTER , DRYER , RECEIVERS AND ACCESSORIES.	10	SET	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : RATAWI OIL FIELD  
PROJECT 02-09 : DEVELOPMENT PROJECTS  
CONTINUATION OF THE DEVELOPMENT OF  
RATAWI OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-09-0481	CRUDE OIL PROCESSING AND TREATMENT BANK OF 50000 B/D CAPACITY WHICH INCLUDE FOUR DEGASSING STAGES, DEHY/ DESALTING, H2S STRIPPING, TEST SEPARATORS, EFFLUENT WATER TREATMENT AND DISPOSAL, COMPLETE WITH INTERCONNECTING PIPING, CONTROL, ELECTRICAL SYSTEM & ACCESSORIES, WELL TECHNICAL ENGINEERING CONSULTANCY	20	SET	Initial development of Ratawi field for 50,000 barrels per day of crude oil output
08-10-02-09-0482	CRUDE OIL AND WATER PUMPS DIFFERENT SIZES COMPLETE WITH ACCESSORIES.	20	SET	As above
08-10-02-09-0483	CRUDE OIL FLOW TANKS, TEST TANKS, BAD OIL TANKS AND WATER TANKS COMPLETE WITH INSTRUMENTATION AND CONTROL SYSTEM, PIPING SYSTEM AND ELECTRICAL SYSTEM.	20	SET	As above
08-10-02-09-0484	COMPLEMENTARY EQUIPMENTS OF ELECTRICAL SYSTEM INCLUDING TRANSFORMERS, O/H LINES, SWITCH GEARS, MCC'S, CABLING AND ACCESSORIES	50	ITEM	As above
08-10-02-09-0485	FIRE FIGHTING SYSTEM INCLUDING TANKS, PUMPS, FOAM GENERATORS, HYDRANTS, PORTABLE EXTINGUISHER AND ACCESSORIES.	70	ITEM	As above
08-10-02-09-0486	PIPE FITTINGS, VALVES OF DIFFERENT RATING & SIZES AND ACCESSORIES.	200	ITEM	As above
08-10-02-09-0487	TELE COMMUNICATION SYSTEM , COMPLETE WITH ALL ACCESSORIES.	30	SET	As above
08-10-02-09-0488	SPARE PARTS FOR THE ABOVE EQUIPMENTS	10	SET	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : MAJNOON OIL FIELD  
PROJECT 02-10 : DEVELOPMENT PROJECTS  
CONTINUATION OF THE DEVELOPMENT OF  
MAJNOON OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-10-0489	FIELD OIL WELL PRODUCTION MANIFOLDS EACH MANIFOLD SUITABLE FOR 8 WELLS.	20	SET	Continuation of Phase 9 development at Majnoon to produce up to 100,000 barrels per day crude oil output
08-10-02-10-0490	CRUDE OIL PROCESSING AND TREATMENT BANK OF 100000 B/D CAPACITY WHICH INCLUDE FOUR DEGASSING STAGES, DEHY/ DESALTING, H2S STRIPPING, TEST SEPARATORS, EFFLUENT WATER TREATMENT AND DISPOSAL, COMPLETE WITH INTERCONNECTING PIPING, CONTROL, ELECTRICAL SYSTEM & ACCESSORIES, WELL POTENTIAL TESTING FACILITIES, ASSISTANCE WITH TECHNICAL ENGINEERING CONSULTANCY	100	SET	As above
08-10-02-10-0491	CRUDE OIL AND WATER PUMPS DIFFERENT SIZES COMPLETE WITH ACCESSORIES.	20	SET	As above
08-10-02-10-0492	CRUDE OIL FLOW TANKS, TEST TANKS, BAD OIL TANKS AND WATER TANKS COMPLETE WITH INSTRUMENTATION AND CONTROL SYSTEM, PIPING SYSTEM AND ELECTRICAL SYSTEM.	20	SET	As above
08-10-02-10-0493	COMPLEMENTARY EQUIPMENTS OF ELECTRICAL SYSTEM INCLUDING TRANSFORMERS, O/H LINES, SWITCH GEARS, MCC'S, CABLING AND ACCESSORIES.	50	ITEM	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : MAJNOON OIL FIELD  
PROJECT 02-10 : DEVELOPMENT PROJECTS  
CONTINUATION OF THE DEVELOPMENT OF  
MAJNOON OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-10-0494	FIRE FIGHTING SYSTEM INCLUDING TANKS, PUMPS, FOAM GENERATORS, HYDRANTS, PORTABLE EXTINGUISHER AND ACCESSORIES.	70	ITEM	Continuation of Phase 9 development at Majnoon to produce up to 100,000 barrels per day crude oil output
08-10-02-10-0495	PIPE FITTINGS, VALVES OF DIFFERENT RATING & SIZES AND ACCESSORIES.	200	ITEM	As above
08-10-02-10-0497	SPARE PARTS FOR THE ABOVE EQUIPMENTS	30	SET	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : MISSAN OIL FIELD  
PROJECT 02-11 : DEVELOPMENT PROJECT  
HALFAYA OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-11-0498	CRUDE OIL PROCESSING & TREATMENT PLANT FOR PRODUCTION OF 50000 BPD INCLUDING DEGASSING BANKS EACH OF FOUR STAGES, DEHYDRATION, DESALTING, TEST SEPARATOR, INLET MANIFOLDS, EFELVENT WATER TREATMENT	500	ITEM	Initial development fo Halfaya field to produce 50,000 barrels per day crude oil output
08-10-02-11-0499	CRUDE OIL FLOW TANKS OF 5000 M3 EACH, BAD OIL TANKS & FIRE WATER TANKS COMPLETE WITH ALL COMPLEMENTTARY SYSTEM AND ACCESSORIES .	5	SET	As above
08-10-02-11-0500	CRUDE OIL BOOSTER & MAIN PUMPS, SMALL PUMPS OF VARIOUS SIZES COMPLETE WITH ACCESSORIES	50	ITEM	As above
08-10-02-11-0501	FIRE FIGHTING SYSTEM INCLUDING, PUMPS FOAM SYSTEM, PIPING, VALVES & ACCESSORIES .	100	ITEM	As above
08-10-02-11-0502	ELECTRICAL SYSTEM INCLUDING 132/33/11/0.4 KV TRANSFORMERS & SWITCH GEAR, O/H TRANSMISSION LINES, MEDIUM & LOW VOLTAGE M.c.c. DISTRIBUTION NETWORK, CABLES & EMERGENCY GENERATION	100	ITEM	As above
08-10-02-11-0503	TRANSFER PIPES, FLOWLINES, INTERCONNECTING PIPING, STATION MANIFOLDS & FLARE SYSTEMS WITH VALVES, FITTINGS, INSTRUMENT & ACCESSORIES .	100	ITEM	As above
08-10-02-11-0504	POTABLE WATER SYSTEM , SEWAGE SYSTEM WITH SERVICE EQUIPMENT TO INCLUDE AIR CONDITIONING UNITS, SERVICE & HANDLING EQUIPMENTS.	100	ITEM	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : WEST QURNA  
PROJECT 02-13 : DEVELOPMENT PROJECT  
COTINUATION OF OIL FIELD UPGRADING, WATER  
INJECTION (SURFACE INSTALLTION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-13-0506	COMPLETION & REHABILITATION OF PERMENANT 132/KV SUBSTATION WITH SUPPLY OF SPARES	6	SET	
08-10-02-13-0507	SUPPLY OF EQUIPMENT FOR 132KV H.T LINES INCLUDING (TOWERS, CONDUCTERS) FITTING & ACCESSORIES...ETC.	200	ITEM	As above
08-10-02-13-0508	SUPPLY OF 11KV OVERHEAD LINE MATERIAL, EARTHING MATERIALS CATHODIC PROTECTION MATERIALS...ETC.	4	LOT	As above
08-10-02-13-0509	LOW VOLTAGE SWICHGEARS	40	NOS.	As above
08-10-02-13-0510	PIPES, VALVES & FITTINGS	100	ITEM	As above
08-10-02-13-0512	CHEMICAL FEED SYSTEM FOR WATER TREATMENT FACILITIES	6	SET	As above
08-10-02-13-0513	AIR BLOWERS FOR FILTERS WITH ACCESSORIES & SPARES	6	SET	As above
08-10-02-13-0514	VARIOUS PUMPS WITH DRIVERS & SPARES	2	LOT	As above
08-10-02-13-0515	REHABILITATION OF MAIN WATER INJECTION PUMPS & MOTORS WITH SUPPLY OF SPARES	6	SET	As above

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH OIL COMPANY  
LOCATION : WEST QURNA  
PROJECT 02-13 : DEVELOPMENT PROJECT  
COTINUATION OF OIL FIELD UPGRADING, WATER  
INJECTION (SURFACE INSTALLTION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-13-0516	VESSELS & ACCESSORIES	2	LOT	Complete water injection system (repeat of phase 9) for West Qurna
08-10-02-13-0517	INSTRUMENTATION, CONTROL & TELECOMMUNCATION EQUIPMENT WITH SPARES	6	LOT	As above
08-10-02-13-0518	SUPPLY OF OVERHEAD CRANNES WITH ACCESSORIES & SPARES	30	SET	As above
08-10-02-13-0519	DIESEL GENERATOR WITH ACCESSORIES & SPARES	4	SET	As above
08-10-02-13-0520	AIR COMPRESSORS WITH ACCESSORIES & SPARES	4	PACKA GE	As above
08-10-02-13-0521	CHLORINATION UNIT WITH ACCESSORIES & SPARES	6	PACKA GE	As above
08-10-02-13-0522	TECHNCAL ASSISTANCE / ENGINEERING CONSULTANCY	1	CONTR ACT	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : WEST QURNA  
 PROJECT 02-14 : DEVELOPMENT PROJECT  
 (COMPLETION OF GAS UTILIZATION)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-14-0523	FIRE FIGHTING SYSTEM FOR GAS COMPRESSION TRAINS WITH SPARES	3	PACKAG	Completion of gas development project in West Qurna
08-10-02-14-0524	TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	1	ONTRAC	Consultancy for above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : WEST QURNA  
 PROJECT 02-15 : DEVELOPMENT PROJECT / CONTINUATION OF THE  
 DEVELOPMENT OF DS6/WEST QURNA OIL FIELD

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-15-0525	FLOW LINES AND TRANSFER PIPES (VARIOUS SIZES)	200	KM.	Repeat of Phase 9,
08-10-02-15-0526	VALVES, FITTINGS AND PIPE ACCESSORIES	100	ITEM	but upgraded to handle
08-10-02-15-0528	UTILITIES (FIRE FIGHTING, COMPRESSED AIR, INDUSTRIAL WATER, TELECOM, INSTRUMENTATION, CIVIL WORKS, ...)	20	ITEM	As above
08-10-02-15-0530	WATER INJECTION FILTERS	4	SET	As above
08-10-02-15-0531	WATER INJECTION PUMPS	4	SET	As above
08-10-02-15-0532	TREATMENT FOR WASTE WATER	1	SET	As above
08-10-02-15-0533	GAS COMPRESSION UNITS	3	SET	As above
08-10-02-15-0534	GAS DEHYDRATION UNIT	1	SET	As above
08-10-02-15-0535	WELDING MACHINES	10	NOS.	As above
08-10-02-15-0536	WELDING RODS GENERAL USE	20	TON	As above
08-10-02-15-0537	ELECTRICAL (TRANSFORMER, CABLES, L.V.SWITCHGEARS, ...)	50	ITEM	As above
08-10-02-15-0538	INSTRUMENTATION (CONTROL VALVE, SAFETY VALVE, PRESSURE INST. LEVEL INST. FLOW INST. TEMP. INST. DCS. PRIMARY & SECONDARY MATERIAL, ...)	100	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : ZUBAIR FIELD  
 PROJECT 02-16 : DEVELOPMENT PROJECT  
 UTILIZATION OF ZUBAIR FIELD ASSOCIATED  
 GAS (PHASE 2)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-16-0539	ENGINEERING, SUPPLY OF MATERIALS, ERECTION OF MAIN EQUIPMENT, SUPERVISION OF CONSTRUCTION & COMMISSIONING FOR UTILIZATION OF GAS FROM 7 DEGASSING STATIONS	6	CONTRACT	Contracts to utilize flared gas (mainly compressors and associated equipment)

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH OIL COMPANY  
 LOCATION : NORTH RUMAILAH  
 CONTINUATION OF ADDITIONAL DEVELOPMENT OF  
 NORTH RUMAILAH OIL FIELD  
 PROJECT 02-17 : DEVELOPMENT PROJECT  
 INDUSTRIAL WATER REQUIREMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-02-17-0540	TANKS	3	SET	Requirements to
08-10-02-17-0541	PUMPS	6	UNIT	further develop
08-10-02-17-0542	FLOW PIPES	10	ITEM	industrial water
08-10-02-17-0543	ELECTRICAL SYSTEM L.T. & H.T.	20	ITEM	requirements commenced
08-10-02-17-0544	VALVES, FITTINGS & ACCESSORIES	20	ITEM	in phase 9
08-10-02-17-0545	PIPES & INTERCONNECTING MATERIAL & ACCESSORIES WITH COATING MATERIAL	20	ITEM	As above
08-10-02-17-0546	CATHODIC PROTECTION SYSTEMS	10	ITEM	As above
08-10-02-17-0547	INSTRUMENTATION, COMPLETE PACKAGES	20	ITEM	As above
08-10-02-17-0548	POWER, INSTRUMENT & CONTROL CABLES	20	ITEM	As above
08-10-02-17-0549	TELECONTROL SYSTEM	10	ITEM	As above
08-10-02-17-0550	FILTRATION SYSTEM	5	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : IRAQ DRILLING CO.  
 LOCATION : BASRAH AND KIRKUK  
 PROJECT 03-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-03-01-0570	SPARE PARTS FOR DRILLING & WORK OVER RIGS	130000	NOS.	Requirements for maintenance
08-10-03-01-0571	EQUIPMENTS-FOR DRILLING AND WORK OVER RIGS	100000	NOS.	!"
08-10-03-01-0572	WORK SHOP EQUIPMENT & HAND TOOLS	2000	NOS.	"
08-10-03-01-0573	MUD PUMPS FOR RIGS WITH SPARES	4	NOS.	Rig maintenance
08-10-03-01-0574	DRILLING CAMPS & CAMPS EQUIPMENT & ACCESSORIES	2100	NOS.	Accommodation
08-10-03-01-0575	OIL FIELD TRUCK - KENWORTH & SPARE PARTS	3	NOS.	Transport & spares
08-10-03-01-0577	MOBILE WORK SHOP WITH ACCESSORIES & SPARES	5	NOS.	Maintenance

MINISTRY OF OIL  
 ESTABLISHMENT NAME : IRAQ DRILLING CO.  
 LOCATION : BASRAH AND KIRKUK  
 PROJECT 03-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-03-03-0582	DRILLING RIG COMPLETE WITH ALL ACCESSORIES	1	NO.	Drilling and workover
08-10-03-03-0583	WORK OVER RIG COMPLETE WITH ALL ACCESSORIES	2	NOS.	requirements for NOC work

MINISTRY OF OIL  
 ESTABLISHMENT NAME : IRAQ DRILLING CO.  
 LOCATION : BASRAH AND KIRKUK  
 PROJECT 03-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-03-04-0586	SAFTY AND INSPECTION EQUIPMENT	15000	NOS.	Personnel safety
08-10-03-04-0587	PERSONNEL SAFETY WEAR ( BOOTS, SUITS, GOGGLES, HELMETS, ... ETC) (CONSUM ITEMS)	80000	NOS.	"
08-10-03-04-0588	FIRE EXTINGUISHERS, GAS DETECTOR, & FIRE HOSES	1000	NOS.	"

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-03-05-0593	SPECIAL FIELD TRUCKS .	50	NOS.	Transport requirement

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-01 : MAINTANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-01-0600	VALVES & FITTINGS	1000	NOS.	Maintenance requirements for all SCOP operations
08-10-04-01-0601	LINE PIPES (DIFFERENT SIZES AND THICKNESS) WITH SHRINKABLE SLEAVES.	3000	TON	As above
08-10-04-01-0602	WELDING ELECTRODES	100	TON	As above
08-10-04-01-0604	STEEL PLATES, CORUGATED PLATES AND SECTION	1000	TON	As above
08-10-04-01-0606	OVER HEAD LINES SWITCH FUES & ISOLATIONS	10	ITEM	As above
08-10-04-01-0607	EXPLOSION PROOF EQUIPMENT (LIGHTINING & INSTALLATION ACCESSORIES)	50	ITEM	As above
08-10-04-01-0608	ELECTRICAL TESTING EQUIPMENTS/INSTRUMENT	20	ITEM	As above
08-10-04-01-0609	INSULLATING KITS	50	ITEM	As above
08-10-04-01-0610	DESIGN & ENGINEERING SOFTWARE	50	ITEM	As above
08-10-04-01-0611	CONTROL CABLES, COMMUNICATION CABLES, CABLE TRAYS AND ACCESSORIES	100	ITEM	As above
08-10-04-01-0612	INSTRUMENTS GUAGES AND FITTING	200	ITEM	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-01-0613	INSTRUMENT CALIBRATION LABORTARY	10	ITEM	Equipment for topography surveys
08-10-04-01-0614	SURVEY EQUIPMENTS (DIGITAL LEVELS & TOTAL STATIONS)	10	ITEM	As above
08-10-04-01-0615	PHOTO COPIES MACHINES	20	NOS.	Office equipment to support surveys
08-10-04-01-0616	FAX MACHINES	5	NOS.	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-01 : MAINTANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-01-0618	ELECTRIC MOTORS FOR MANN ELEVATORS	20	NOS.	As above
08-10-04-01-0619	CENTRIFUGAL PUMP WITH ELECTRIC MOTOR (KSB)	12	NOS.	As above
08-10-04-01-0620	SUBMERGED PUMP FOR HEAVY WATER (SEWAGE)	12	NOS.	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT  
 CONSTRUCTION EQUIPMENT WITH S.P

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0633	FORK LIFT 5 TON	10	NOS.	"
08-10-04-05-0634	FORK LIFT 3 TON	10	NOS.	"
08-10-04-05-0635	MANUAL TEST PUMP 50 KG/CM2	10	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT  
 SPARE PART FOR CONSTRUCTION EQUIPMENTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0646	S.P FOR MOBILE CRANE 25 T.	500	ITEM	Assorted spare parts for construction equipment
08-10-04-05-0647	S.P FOR MOBILE CRANE 50 TON	500	ITEM	"
08-10-04-05-0648	S.P FOR LIBHER MOBILE CRANE 50 T.	500	ITEM	"
08-10-04-05-0649	S.P FOR TRUCK TRACTOR SCANIA	350	ITEM	"
08-10-04-05-0650	S.P FOR BULLDOZER	350	ITEM	"
08-10-04-05-0651	S.P FOR CASE 9033 EXCUVATOR	300	ITEM	"
08-10-04-05-0652	S.P FOR (LINCOLEN) WELDING MACHINE (DIESEL& ELECT.)	300	ITEM	"
08-10-04-05-0653	S.P FOR (HOBERT) ELECTRICAL WELDING MACHINE	100	ITEM	"
08-10-04-05-0654	S.P FOR (ESAB) WELDING MACHINE (DIESEL)	200	ITEM	"
08-10-04-05-0655	S.P FOR (KIA) BUSS 25 PASSENGERS	350	ITEM	"
08-10-04-05-0656	S.P FOR WHEEL LOADER	500	ITEM	"
08-10-04-05-0657	S.P FOR LIGHT VIHECLE NISSAN, GALLOPER, TOYOTA LAND CRUSE	800	ITEM	"
08-10-04-05-0658	S.P FOR FORK LIFT 10 & 5 TON	300	ITEM	"
08-10-04-05-0659	S.P FOR RENOLT TRUCK EX 350	400	ITEM	"
08-10-04-05-0660	S.P FOR LIBHER WHEEL LOADER 551 & 541	400	ITEM	"
08-10-04-05-0661	S.P FOR WATER PUMPS	400	ITEM	"
08-10-04-05-0662	S.P FOR WELDING TRACTOR ARCOTRA-IV-VI	200	ITEM	"
08-10-04-05-0663	S.P FOR DAMP TRUCK (FAW)	250	ITEM	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT  
 SPARE PART FOR CONSTRUNTION EQUIPMENTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0664	S.P FOR TANKERS (FAW)	250	ITEM	Spare parts
08-10-04-05-0665	S.P GAMAZ TRUCK	350	ITEM	"
08-10-04-05-0666	S.P FOR LORRY WITH CRANE (DAWOO)	300	ITEM	"
08-10-04-05-0667	S.P FOR (BELARUSS) TRACTOR	300	ITEM	"
08-10-04-05-0668	S.P FOR GENERATOR 250 KVA(GADDAR)	100	ITEM	"
08-10-04-05-0669	S.P FOR MANN ELEVATOR	100	ITEM	"
08-10-04-05-0670	S.P FOR CARRIER CENTRAL AIR CONDITION SYSTEM 1000 TON CAPACITY	150	ITEM	Spares for A/C in new Oil Ministry building
08-10-04-05-0671	S.P FOR ELECTRICAL SYSTEM	100	ITEM	Spare parts

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0677	MOTORIZED ROLLER FOR SUBMERGED ARC WELDING (UP TO 20) TONS	6	NOS.	Workshop machinery
08-10-04-05-0678	HYDROSTATIC TESTING SET UP TO 100 BAR	2	NOS.	"
08-10-04-05-0679	AUTOMATIC WELDING MACHINE FOR SUBMERRGED ARE WELDING	3	NOS.	"
08-10-04-05-0680	TRACTOR-TYPE AUTOMATIC WELDING MACHINE	5	NOS.	"
08-10-04-05-0681	FLAME CUTTING MACHINE	1	NO.	"
08-10-04-05-0683	AUTOMATIC WELDING RECTIFIER	6	NOS.	"
08-10-04-05-0684	HEATING FURNACE	1	NO.	"
08-10-04-05-0686	FINNED TUBES MACHINES	1	NO.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : BAGHDAD WORK SHOP FABRICATION &  
 MAINTENANCE FOR OIL EQUIPMENT'S  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0689	ELECTRIC WIRE CUT MACHINE WITH RECOMMENDED SPARES	1	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/MATERIAL WAREHOUSES  
 PROJECT 04-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-05-0694	EXPANDARS RANGE TOOLS	1	SET	"
08-10-04-05-0695	MANDRIL SPECIAL TOOLS	1	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/ ENGINEERING INSPECTION  
 PROJECT 04-06 : TESTING, INSPECTION , STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-06-0714	POCKET RADIATION MONITOR	10	NOS.	Portable NDT for site work
08-10-04-06-0716	PORTABLE HARDNESS TESTER	2	NOS.	"
08-10-04-06-0718	WELD SEAM VACUUM TESTING DEVICE (180,90)	10	NOS.	NDT requirement
08-10-04-06-0719	PORTABLE COATING THICKNESS GAUGE	4	NOS.	"
08-10-04-06-0722	DIAL-DEPTH GAUGE	20	NOS.	NDT

MINISTRY OF OIL  
 ESTABLISHMENT NAME : STATE COMPANY FOR OIL PROJECTS  
 LOCATION : ALL AREAS/ ENGINEERING INSPECTION  
 PROJECT 04-06 : TESTING, INSPECTION , STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-04-06-0728	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIER'S WORKS ABROAD	2	CONTRACT	PSI contract
08-10-04-06-0729	ECHO SOUNDER FOR WATER DEPTH MEASUREMENT COMPLETE SYSTEM WITH HARDWARE, SOFTWARE & RECOMMENDED SPARE PARTS AND CONSUMABLES(SH) FOR REVER CROSSING	4	SET	Depth meter for river crossing sites repairs
08-10-04-06-0730	RANGE FINDER FOR (GIS) APPLICATIONS (GEOGRAPHICAL INFORMATION SYSTEM) COMPLETE WITH RECOMMENDED SPARE PARTS(SH)	2	SET	Site survey range finder
08-10-04-06-0731	MODERN (GIS) STATION FOR (20) USERS, COMPLETE WITH ALL HARDWARE , SOFTWARE & RECOMMENDED SPARE PARTS AND CONSUMABLES(SH) FOR SURVEY WORKS	1	SET	For topographic surveys

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
08-10-04-06-0734	VARIOUS MATERIAL , EQUIPMENT & ACCESSORIES FOR PRODUCTION OF TENDER DOCUMENT , DESIGN DRAWINGS , TECHNICAL CATALOGUES... & PERIPHERALS INCLUDING AN ARCHIVING SYSTEM(HARDWARE & SOFTWARE) COMPLETE WITH CNSUMABLES & ACCESSORIES (MOO)	20	ITEM	Office equipment and peripheral equipment from Phase 9
08-10-04-06-0735	TECHNICAL & SCIENTIFIC BOOKS & JOURNALS (MOO)	25000	NOS.	Reference works

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 05-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-03-0766	A3 PLAIN PAPER COPIER (ZOOM UP & DOWN: 25-200 % 1 INCREMENTS) WITH ALL OPTIONS (SORTER, STAPLER, PUNCH) RADF SYSTEM WITH CONSUMABLE & SPAREPARTS	3	SET	Office equipment
08-10-05-03-0767	AO/C PLAIN PAPER COPIER, HEAVY DUTY WITH ALL OPTIONS, CONSUMABLE & SPAREPARTS.	3	SET	Office equipment
08-10-05-03-0768	A3 PLAIN PAPER COLOR COPIER WITH CONSUMABLES & OPTIONS	1	SET	Office equipment

MINISTRY OF OIL  
ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
LOCATION : ALL AREAS  
PROJECT 05-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-03-0769	A0 COLOR SCANNER, PLOTTER & SYSTEM HARDWARE WITH CONSUMABLES AND SPARE PARTS	1	SET	Office equipment
08-10-05-03-0770	READER PRINTER (N-P) WITH ATTACHEMENT 16-35 mm & MICROFICHE WITH CONSUMABLES & ACCESSORIES	2	SET	Office equipment
08-10-05-03-0771	A4 COLOR LASER PRINTER	1	NOS.	Office equipment
08-10-05-03-0772	CARDS & SPARE PARTS TO UPGRADE MAIN FRAME COMPUTER (VAX II/780) TO (VAX II/785)	4	SET	Office equipment
08-10-05-03-0773	COMPLETE VSP (VERTICAL SEISMIC PROFILE) RECORDING SYSTEM	1	SET	Office equipment

MINISTRY OF OIL  
ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
LOCATION : ALL AREAS  
PROJECT 05-03 : SUSTAINING & ENHANCING PRODUCTION  
CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-03-0774	2D/3D LAND DATA PROCESSING & INTERPRETATION SYSTEM	1	SYSTEM	Seismic survey requirements
08-10-05-03-0775	SEISMIC SOURCE VIBRATOR 6000 23 TONS WITH ACCESSORIES, SPARE PARTS & TOOL SETS	20	NOS.	"
08-10-05-03-0776	3D PREPLANNING & QUALITY CONTROL FIELD PROCESSING SYSTEM	2	NOS.	"
08-10-05-03-0777	3D SEISMIC ACQUISITION RECORDING SYSTEM 1200 CHANNEL DUAL SOURCE	4	NOS.	"
08-10-05-03-0778	SEISMIC DATA ACQUISITION RECORDING SYSTEM 1200 CHANNELS, DUAL SOURCE WITH ACCESSORIES, SPARE PARTS, CONSUMABLES, TECHNICAL SERVICE TRAINING, COMMISSIONING & START UP	4	NOS.	"
08-10-05-03-0779	INTERACTIVE WORK STATIONS WITH SPARES & CONSUMABLES	4	NOS.	"

MINISTRY OF OIL  
ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
LOCATION : ALL AREAS  
PROJECT 05-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-05-0789	FIELD BUSES (4X4) WITH SPARE PARTS	20	NOS.	Field equipment requirements
08-10-05-05-0790	FIELD PICKUP 4500 CC WITH SPARE PARTS	20	NOS.	"
08-10-05-05-0791	PICK UP (4X4) LONG WHEEL BASE FOR PERSONAL AND CARGO TRANSPORTATION WITH SPARE PARTS.	20	NOS.	Plant movement requirements
08-10-05-05-0792	CARGO TRUCK 4x2 (PAYLOAD 8 TO 10TON) WITH 10 TON HIAB CRANE WITH SPARE PARTS.	5	NOS.	"
08-10-05-05-0794	AMBULANCE CAR EQUIPPED WITH ALL APPLICABLE FOR FIRST AID.	2	NOS.	Safety
08-10-05-05-0795	MOBILE KITCHEN CARAVAN MOUNTED ON WHEELS AND EQUIPED WITH ALL EQUIPMENT	12	NOS.	Field staff support
08-10-05-05-0796	ABLUTION CARAVAN MOUNTED ON WHEELS AND EQUIPED WITH ALL EQUIPMENT	12	NOS.	Field staff support
08-10-05-05-0797	RUBBER TANK (CAPACITY 27000 LITER) FOR DIESEL FUEL WITH SPARE PARTS .	6	NOS.	Diesel storage
08-10-05-05-0798	RUBBER TANK (CAPACITY 10000 LITER) FOR PETROL FUEL WITH SPARE PARTS .	6	NOS.	Motor spirit storage
08-10-05-05-0799	RUBBER TANK (CAPACITY 8000 LITER) FOR DRINGING WATER WITH SPARE PARTS .	12	NOS.	Potable water storage

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
 LOCATION : ALL AREAS WELL DRILLING CONTRACT  
 PROJECT 05-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-05-0800	SPARE PARTS FOR TOYOTA PIK UP 4X4 HILUX .	1	SET	Spares for transportation
08-10-05-05-0801	SPARE PARTS FOR KAMAZ VEHICLES .	1	SET	"
08-10-05-05-0802	SPARE PARTS FOR DETROIT DIESEL ENGINE 6-7 1.N IN LINE	1	SET	"
08-10-05-05-0803	SPARE PARTS FOR VEHICLES & DRILLING RIG CFD-IB/1250	2	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
 LOCATION : ALL AREAS WELL DRILLING CONTRACT  
 PROJECT 05-06 : TESTING, INSPECTION, STUDIES SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-06-0813	AUTO-SATURATOR (AUTOMATED SATURATION APPARATUS) .	1	NO.	Testing equipment
08-10-05-06-0814	STBILIZER 100 KV 220-380 VAC + 20V	1	NO.	Electrical supply stabilizer
08-10-05-06-0818	CAPILLARY PRESSURE RESISTIVITY SYSTEM FULLY AUTOMATED RESERVOIR CONDITION	1	NO.	Core analysis

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
 LOCATION : ALL AREAS WELL DRILLING CONTRACT  
 PROJECT 05-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-06-0819	PROCESSING, INTERPRETATION & GEOLOGICAL APPLICATIONS SOFTWARE PACKAGES	1	SET	Geological survey equipment requirements
08-10-05-06-0825	DESATURATION CAPILLARY PRESSURE INSTRUMENTS BY RESTORED STATE.	1	NO.	Elemental and core analysis equipment
08-10-05-06-0826	GAS-OIL (KG/KO) RELATIVE PERMIABILITY DETERMINATION INSTRUMENT. CORE HOLDER FOR PERFORMING FLOW TEST & RELATIVE PERMEABILITY DETERMINATION (FLOODING).	1	NO.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL EXPLORATION COMPANY  
 LOCATION : ALL AREAS  
 WELL DRILLING CONTRACT  
 PROJECT 05-07 :DEVELOPMENT PROTECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-05-07-0840	TURN KEY SERVICE CONTRACT DRILLING FIVE WELLS INCLUDING ALL DRILLING & WELL COMPLETION, OPERATIONS, PROVISION OF ALL RELEVANT MATERIALS, LOGISTIC & SERVICES	2	ONTRAC	Contract for new wells in N/E Iraq (Western Desert region)

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-02 : REHABILITATION / REVAMPING OF EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-02-0860	COMPLETE ROTATING MECHANICAL & ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES FOR REVAMPING OF EXISTING FACILITIES:			Repair and maintenaance of refining units throughout refinery
	- PUMPS, VARIOUS SIZES	150	SET	"
	- TURBINES, VARIOUS SIZES	100	SET	"
	- POWER AND GAS TURBINES WITH ACCESSORIES AND SPARE PARTS	200	SET	"
	- GEAR BOXES, FANS & BLADES	70	SET	"
	- HERMETIC COMPRESSORS	100	SET	"
	- REFRIGERATOR COMPRESSORS	500	SET	"
	- AIR COMPRESSORS	50	SET	"
	- HEAT EXCHANGER BUNDLES & AIR COOLER FIN FAN BUNDLES.	100	SET	"
	- SUPER HEATERS FOR BOILERS	10	SET	"
	- REVAMPING OF (4) BOILERS	1000	SET	"
	- CHILLERS & EXCHANGER	100	SET	"
	- BURNERS	100	SET	"
	- BLOWERS & SOOT BLOWERS	100	SET	"
	- FURNACES WITH ACCESSORIES	2	SET	"
- AIR CONDITIONING EQUIPMENT FOR CONTROL ROOMS	100	SET	"	
- VESSELS, COLUMNS, DRUMS AND FLARE TIP VESSELS.	600	SET	"	

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-02 : REHABILITATION / REVAMPING OF  
 EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-02-0861	- COOLING TOWER PACKING	100	SET	As per previous page
	- TRANSFORMERS	20	ITEM	"
	- EQUIPMENT FOR SUBSTATIONS	20	ITEM	"
	- GENERATORS (TURBOGAS AND DIESEL)	10	ITEM	"
	- COMPLETE MECH. EQUIP. WITH RECOMMENDED SPARES	12	SET	"
	- HEAT EXCHANGER BUNDLES & AIR COOLER FAN	38	SET	"
	- COLUMNS & INTERNALS	9	SET	"
	- VESSELS, COLUMNS & DRUMS	10	SET	"
	- REHABILITATION OF THE THREE EXISTING LIGHT GAS OIL	6	CONTR ACT	"
	HYDROTREATING UNITS INCLUDING ALL NECESSARY EQUIPMENT & MATERIALS AND CATALYST			"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-03-0865	- INSTALLATION OF THE PRESSURE SWING ADSORPTION (PSA) FOR EXISTING HYDROGEN PRODUCTION UNIT SYSTEM	5	CONTR ACT	Contracts and equipment
	- ERECTION EQUIPMENT, TOOLS & CONSUMABLE MATERIALS, ...ETC. FOR ISOMERIZATION UNIT & OTHERS	100	ITEM	for plant to enhance
	- SERVICE CONTRACTS FOR SUPERVISION OF INSTALLATION & COMMISSIONING OF THE ISOMERIZATION UNIT	6	CONTR ACT	hydrogen production

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-05-0869	- PACKAGE AND SPLIT UNIT WITH SPARES	100	SET	"
08-10-06-05-0870	- TELEPHONE EXCHANGE 1000 LINE (PABX) COMPLETE WITH ALL ACCESSORIES	21	ITEM	Replace and enhance internal refinery
	- INTERCOM UNITS WITH CENTRAL CONTROL	50	SET	communications
08-10-06-05-0871	- SAFETY, FIRE FIGHTING TRUCKS & EQUIP.-FIRE FIGHTING VEHICLES WITH RECOMMENDED SPARES	21	SET	Safety and fire fighting equipment

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-06 : TESTING, INSPECTION, STUDIES, SURVEYS & LABORATORIES.

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-06-0880	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE THE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIERS WORK ABROAD	5	CONTRACT	PSI contracts
08-10-06-06-0881	TECHNICAL SERVICES CONTRACT- SURVEY, STUDY & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE FOR IMPROVEMENT OF MAINTENANCE & OPERATION	4	CONTRACT	Service contract to review overall refinery operations

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-07 : DEVELOPMENT PROJECT  
 (DELAYED COKER UNIT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-07-0885	STUDY, BASIC DESIGN & LICENSE FOR DELAYED COKER, HYDRODESULPHURIZATION & CALCINING UNIT FOR THE EXTRACT AND/OR DECANTED OIL AS FEED TO THE DELAYED COKER UNIT, INCLUDING TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	4	CONTRACT	Contrats for coke plant (for steel) and hydro-desulphurisation feed plant

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-08 : DEVELOPMENT PROJECT (FCC UNIT)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-08-0886	BASIC DESIGN, LISENCE & MATERIALS & EQUIPMENT REQUIRED FOR THE CONTINUATION OF THE PROJECT TO INSTALL A FLUIDIZEDS 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, INCLUDING TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY.	10	CONTRACT	Cracking unit cf from phase 9 to increase RON in gasoline pool from RON 80/81 to RON 93  "

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH REFINERIES COMPANY  
 LOCATION : BAIJI  
 PROJECT 06-09 : DEVELOPMENT PROJECT (ZEO  
 REFORMER)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-09-0887	STUDY, LICENSE, BASIC DESIGN AND COMMENCEMENT OF THE WORKS FOR THE INSTALLATION OF THE ZEO REFORMER FOR THE TRANSFORMATION OF NATURAL GASOLINE & NAPHTHA TO HIGH OCTANE GASOLINE, INCLUDING TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	4	CONTRACT	Zeolite reformer to allow manufacture of gasoline from naphtha - required as insufficient hydrogen for existing process

LOCATION : BAIJI  
 PROJECT 06-10 : DEVELOPMENT PROJECT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-06-10-0888	COMPLETE STEAM BOILERS WITH ACCESSORIES, INCLUDING TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY	2	SET	Two complete steam boilers for process systems

MINISTRY OF OIL

LOCATION : DAURA REFINERY  
 PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-01-0895	SPARE PARTS FOR EXISTING PUMPS, COMPRESSORS, FANS GEARS, STEAM TURBINES, ROTARY FILTERS, INDIVIDUAL M/C ,MECHANICAL SEALS, COUPLINGS	5000	NOS	OIP approval additional items
		100	SET	
08-10-07-01-0896	SPARE PARTS FOR EXISTING INSTRUMENTS	4000	NOS.	"
08-10-07-01-0899	BOLTS & NUTS, STUDS WITH ANTI - SIEZE LUBRICANT	100000	NOS.	"
		200	TINS	"
		10000	FT	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-01-0902	GASKETS FOR PIPES & EXCHANGERS AND GASKET SHEETS	200	SET	As per previous page
		250	SQ.M.	"
		20000	NOS.	"
08-10-07-01-0903	PIPES & PIPE FITTINGS	50000	MTR.	"
		10000	NOS.	"
08-10-07-01-0904	INSTRUMENTATION FITTINGS AND TUBING	25000	NOS.	"
		12000	MTR.	"
08-10-07-01-0906	TELEPHONE EXCHANGE FOR REFINERY INTERNAL USE (1000 LINE)	2	ONTRAC	"
08-10-07-01-0907	SPARE PARTS FOR WATER TREATMENT UNIT(EDR)	4000	NOS.	"
08-10-07-01-0908	ROTORS REPAIR FOR COMPRESSORS,K201 AND K401	2	NOS.	"
08-10-07-01-0909	ELECTRICAL EQUIPMENT (MOTOR CONTROL CENTERS, LOW LEVEL & MEDIUM VOLTAGE SWITCHGEAR) WITH SPARE PARTS LOW & MEDIUM VOLTAGE ELECTRICAL CABLES & WIRES	300	NOS.	"
		30000	MTR.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-01-0910	SPARE PARTS FOR WAX MOLDING MACHINE, PALLETIZER AND PACKAGING M/C	1000	NOS.	Wax blocks machinery
08-10-07-01-0911	TETRA ETHYL LEAD (TEL)	500	TON	Octane improver
08-10-07-01-0912	DETERGENT DISPERSANT PACKAGED ADDITIVE FOR H.D PREMIUM OIL	500	TON	Additives for quality improvement
08-10-07-01-0913	DETERGENT DISPERSANT PACKAGED ADDITIVE FOR (S-3) DIESEL OIL	1000	TON	"
08-10-07-01-0914	METHYL ETHYL KETON (MEK)	500	TON	Lube oil solvent
08-10-07-01-0915	FURFURAL	500	TON	Additive
08-10-07-01-0916	VISCOSITY INDEX IMPROVER	200	TON	Lube oil improver
08-10-07-01-0917	ALUMINIUM POLYCHLORIDE PAC	100	TON	Water clarification
08-10-07-01-0918	THERMOWELLS	2428	NOS.	
08-10-07-01-0919	AUTOMATIC TANK LEVEL GAUGING SYSTEM FOR 65 TANKS WITH RECOMMENDED SPARE PARTS AND ACCESSORIES	100	ITEM	Control system for product tanks

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-02-0925	COMPLETE PUMPS & COMPRESSORS WITH MOTORS OR STEAM TURBINES OR DIESEL ENGINES DRIVES, FANS COMPLETE, VARIATORS MIXERS, GEARBOXES, SOOT BLOWERS, DOSING PUMPS ALL WITH RECOMMENDED SPARE PARTS	50 6	ITEM SET	Rotating equipment
				spares
				and parts
				"
08-10-07-02-0926	CONTROL SYSTEMS FOR PROCESS UNITS, & EQUIPMENT MONITORING SYSTEM FOR TANKS, COMPRESSORS, INSTRUMENTS & ACCESSORIES FOR CONTROL ROOMS.	50	ITEM	Replacement control systems
08-10-07-02-0927	PLATES FOR STORAGE TANKS	500	TON	Plates for tank foundations
08-10-07-02-0928	SOLID & HOLLOW METAL BARS	500 50	MTR. SQ.M.	"
				"
08-10-07-02-0929	LOADING ARMS & ACCESSORIES FOR DAURA REFINERY DEPOT	100	NOS.	Overhead loading arms

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-03-0935	ELECTRICAL GENERATING SET TURBINE DRIVEN (4) MW CAPACITY COMPLETE WITH RECOMMENDED SPARE PARTS	1	SET	Stand-by generator to compensate for power cuts

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-04-0941	FIXED CARBON DIOXIDE SYSTEM FOR ELECTRICAL SUBSTATIONS FIRE FIGHTING WITH SPARE PARTS	5	NOS.	"
08-10-07-04-0942	PILLAR HYDRANTS WITH AND WITHOUT WATER MONITORS WITH SPARE PARTS	100	NOS.	"
08-10-07-04-0944	DRY CHEMICAL POWDER (MONNEX)	5000	KG.	"
08-10-07-04-0945	HIGH PRESSURE BREATHING AIR CHARGING SYSTEM	2	NOS.	Safety equipment
08-10-07-04-0946	WATER CURTAIN SPRAY NOZZLES, WATER SPRINKLERS WITH BULB, FIRE HOSE COUPLING, HYDRANT VALVES, WATER HAND BRANCHPIPE, DIVIDING BREECHING WITH HAND CONTROL VALVE, DECANTING PUMP, UNIVERSAL HOSE COUPLING BINDER, SUCTION COLLECTING HEAD	2000	NOS.	Safety equipment
08-10-07-04-0948	WASTE WATER TREATMENT UNIT CAPACITY (30) M <sup>3</sup> /HR WITH ACCESSORIES AND RECOMMEND SPARE PARTS	2	ONTRAC	Water treatment plant

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-05-0957	SPARE PARTS FOR EXISTING HEAVY EQUIPMENT (CRANES, TRUCKS, FORK LIFTS, SHOVELS, BULLDOZERS)	5000	NOS.	"
08-10-07-05-0958	- PICK UP DOUBLE CAB WITH SPARE PARTS	30	NOS.	"
	- LAND CRUSER with SPARE PARTS	10	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-06 : TESTING, INSPECTION, STUDIES, SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-06-0965	MEASURING DEVICES, FOR AMPERE, VOLTAGE RESISTANCE, SOIL RESISTIVITY, CORROSION METER INSULATION TESTER .	300	NOS.	Electrical testing equipment
08-10-07-06-0966	STUDY ON MONITORING, CONTROL & PROTECTION DISCRIMINATION OF REFINERY ELECTRICAL SUBSTATIONS	2	ONTRAC	Study into refinery controls to overcome power failures
08-10-07-06-0967	INSPECTION TESTING & CHECKING EQUIPMENT (INCLUDING TESTING EQUIPMENT FOR VERIFICATION OF PRODUCTS SPECIFICATION), TOOLS & REFERENCES	150	SET	NDT requirements
		500	NOS.	"
08-10-07-06-0968	INSPECTION UPGRADING SURVEY .	2	ONTRAC	NDT requirements
08-10-07-06-0970	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIERS WORK ABOARD	2	CONTRACT	PSI contracts
08-10-07-06-0971	STANDARD & CODES FOR SPECIFICATIONS ON CD ROM	7	NOS.	ASTM methods etc

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-07 : DEVELOPMENT PROJECT  
 WATER TREATMENT UNIT (RO)

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-07-0976	WATER TREATMENT UNIT COMPLETE WITH ACCESSORIES & RECOMMENDED SPARE PARTS OF 400 M3/HOUR CAPACITY INCLUDING TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY	6	ONTRAC	RO plant to deal with salty water outlet from process plant

LOCATION : DAURA REFINERY  
 PROJECT 07-08 : DEVELOPMENT PROJECT  
 GASOIL DESULPHURIZATION UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-08-0977	KNOW-HOW, EQUIPMENT & MATERIALS FOR THE CONTINUATION OF THE PROJECT TO INSTALL GASOIL DESULPHURIZATION UNIT TO REDUCE SULPHUR CONTENT TO 300 & 50 P.P.M, COMPLETE WITH REQUIRED DOWN STREAM UNITS (GAS SWEETENING & SULPHUR RECOVERY) WITH ACCESSORIES & RECOMMENDED SPARE PARTS CAPACITY (22000) B/D INCLUDING TECHNICAL ASSISTANCE / ENGINEERING & CONSULTANCY	10	ONTRAC	Contracts to reduce sulphur contents in gas oil from current 1% to international levels

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-09 : DEVELOPMENT PROJECT  
 STEAM BOILER

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-09-0978	STEAM BOILER OF 150 TON/HOUR CAPACITY, MEDIUM PRESSURE (18.6 KG/CM <sup>2</sup> G & 260 CENTIGRADE) AS AN EXTENSION FOR ANOTHER IDENTICAL BOILER, TOGETHER WITH RECOMMENDED SPARE PARTS.	1	ONTRAC	2nd boiler to replace model from 1956

LOCATION : DAURA REFINERY  
 PROJECT 07-10 : DEVELOPMENT PROJECT  
 SEMI-BLOWN ASPHALT PRODUCTION UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-10-0979	SEMI BLOWN ASPHALT PRODUCTION UNIT, CAPACITY OF (180000) TON/YEAR. CONSISTING OF VACUUM DISTILLATION, ASPHALT BLOWING & ASPHALT TANKS, TOGETHER WITH RECOMMENDED SPARE PARTS	3	ONTRAC	Blown asphalt unit

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-11 : DEVELOPMENT PROJECT  
 UTILIZATION OF REFINERY FLARE GASES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-11-0980	ENGINEERING & EQUIPMENT SUPPLY FOR THE UTILIZATION OF FLARE GASES AS REFINERY FUEL GAS WITH ACCESSORIES & SPARE PARTS CAPACITY 9000 NM3/HOUR	4	ONTRAC	Equipment to allow flare gas utilisation

LOCATION : DAURA REFINERY  
 PROJECT 07-12 : DEVELOPMENT PROJECT  
 HYPOCHLORITE GENERATOR

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-12-0981	HYPOCHLORITE GENERATOR WITH RECOMMENDED SPARES	4	SET	Equipment to replace chlorine injectors

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-13 : DEVELOPMENT PROJECT  
 NAPHTHA ISOMARIZATION UNIT & HYDROGEN  
 PRODUCTION UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-13-0982	SUPPLY OF ENGINEERING, EQUIPMENT & SUPERVISION OF NAPHTHA ISOMERIZATION UNIT OF 7500 BPSD CAPACITY & HYDROGEN PRODUCTION UNIT CAPACITY 8000 NM3/HOUR WITH ACCESSORIES & RECOMMENDED SPARE PARTS	100	ITEM	Equipment for naphtha iso unit to improve gasoline RON and to reduce TEL requirements

MINISTRY OF OIL  
 ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY  
 LOCATION : DAURA REFINERY  
 PROJECT 07-15 : DEVELOPMENT PROJECT  
 DEMINERALIZATION WATER TREATMENT UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-07-15-0984	DEMINERALIZATION WATER TREATMENT UNIT OF CAPACITY 300 M <sup>3</sup> /HOUR CONTINUOUS & WATER TUBE BOILER OF 150 TON/HOUR CAPACITY WITH CONSUMABLES & SPARE PARTS	100	ITEM	Demin unit for boiler water

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-01-0995	- SPARES FOR EXISTING ROTATING EQUIPMENT (PUMPS COMPRESSORS, TURBINES, GEARBOX, FANS, FILTER AND OTHER MISC . ITEMS)	26500	NOS.	Requirements for
		170	SET	maintenance of operations
08-10-08-01-0997	ELECTRICAL EQUIPMENT (MCC, MOTORS COMPLETE, STARTERS RELAY TESTER... ETC) & MEASURING EQUIPMENT WITH RECOMMENDED SPARE PARTS.	1600 75	NOS. SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-01-0998	ELECTRIC & INSTRUMENT CABLES WITH ACCESSORIES	53 1000	KM. NOS.	Maintenance requirements
08-10-08-01-0999	VARIOUS INSTRUMENTATION EQUIPMENT :			"
	- CONTROL VALVES, SOLENOID VALVES, PRESSURE GAUGES, TRANSMITTERS, CONTROLLERS TRANSMISSION UNIT COMPLETE WITH SPARES.	4000 100	NOS. SET	"
	- SPARES FOR EXISTING INSTRUMENTS.	3200	NOS.	"
	- CALIBRATION EQUIPMENT	75 80	SET NOS.	"
	08-10-08-01-1000	SPARE PARTS FOR UNIT	1	SET

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-02 : REHABILITATION/ REVAMPING  
 OF EXISTING INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-02-1006	COMPLETE ROTATING MACHINES( PUMPS & TURBINE)	20	NOS.	Maintenance requirements
08-10-08-02-1007	REPLACEMENT OF DAMAGED PUMPS ,COMPRESSORS, TURBINES, GEARBOXES, FANS, CHILLERS ETC. WITH SPARES	50 2000	SET NOS.	"
08-10-08-02-1008	REVAMPING AND UPGRADING OF PRESENT CONTROL SYSTEM TO A FULLY AUTOMATED ONE COMPLETE	4	SYSTEM	Replacement of refinery pneumatic control system
08-10-08-02-1009	REHABILITATION OF EXISTING DAMAGED WAX PRODUCTION UNIT	1	ITEM	Maintenance requirements
08-10-08-02-1010	REVAMPING OF EXISTING BARRELS MANUFACTURING FACTORY WITH PLATES	1 1000	ITEM TON	Repeat from Phase 9
08-10-08-02-1011	REHABILITATION OF L.P.G UNIT(INCLUDING INSTRUMENTS ELECTRICAL, PIPE, FITTING, HEAT EXCHANGERS, DRUMS, TOWERS & OTHER REQUIRED ITEMS)	3000 200 20	NOS. SET KM.	Maintenance requirements

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-03 : SUSTAINING & ENHANCING  
 PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-03-1017	REVAMPING OF COOLING TOWERS WITH SPARE PARTS	10	ITEM	Maintenance
08-10-08-03-1018	REVAMPING OF SECONDARY ELECTRICAL SUBSTATION	10	ITEM	Maintenance
08-10-08-03-1021	CRUDE OIL DESALTERS & ACCESSORIES WITH RECOMMENDED SPARE PARTS	2	SET	Crude desalters

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-06-1042	TECHNICAL SERVICE CONTRACT( SURVEY , STUDIES & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE FOR IMPROVEMENT OF MAINTENANCE & OPERATION EFFICIENCY	3	ONTRAC	Efficiency study for refinery operations

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-07 : DEVELOPMENT PROJECTS  
 REFORMING UNIT TO IMPROVE  
 OCTAIN NUMBER

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-07-1045	KNOW HOW, DESIGN, EQUIPMENT AND MATERIALS FOR INSTALLATION OF NEW REFORMING UNIT CAPACITY 10000 B/D INCLUDING SUPPLYING ALL MATERIALS REQUIRED FOR WHOLE COMPLETE PROJECT(MECHANICAL, ELECTRICAL, INSTRUMENTS, CHEMICALS, CATALYST AND UTILITIES)	10	ONTRAC	Contracts to utilize surplus naphtha and convert to 98 RON gasoline

LOCATION : BASRAH  
 PROJECT 08-08 : L.G.O. HYDROTREATMENT UNIT TO REDUCE  
 SULPHUR CONTENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-08-1046	BASIC DESIGN AND LICENSE FOR LIGHT GAS OIL (L.G.O.) HDS UNIT TO REDUCE SULPHUR CONTENT TO 300 PPM & 50 PPM WITH TWO ALTERNATIVES, CAPACITY (2 X 15000 B/D) AND (18000 B/D) WITH UPGRADING OF THE EXISTING (L.G.O) HDS UNIT, CAPACITY( 12000 B/D) TO REDUCE SULPHUR CONTENT TO 300 & 50 PPM	2	ONTRAC	Contracts to reduce gas oil sulphur content from 1 to 1.2% to 300 ppm

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-09 : WATER DESALINATION UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-09-1047	WATER DESALINATION UNIT COMPLETE( R-O ) (700M3/HR) CAPACITY WITH WATER TANK & ACCESSORIES WITH RECOMMENDED SPARE PARTS INCLUDING TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY	5	ONTRAC	Desalination plant for feedwater to demineralisation plant

LOCATION : BASRAH  
 PROJECT 08-10 : COMPLETE STEAM BOILER

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-10-1048	COMPLETE STEAM BOILER CAPACITY 150 TON/HR WITH RECOMMENDED SPARE PART	3	ONTRAC	Replacement boilers; originals damaged

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-11: ISOMERIZATION UNIT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-11-1049	ISOMERIZATION UNIT WITH CAPACITY OF 11500 B/D WITH NITROGEN UNIT AS FOLLOWING:	6	CONTR	Isomerisation unit to produce 95 RON gasoline
	- REVAMPING OF EXISTING LIGHT GAS OIL (L.G.O) HDS UNIT TO (ONCE THROUGH) ISOMERIZATION UNIT, INCLUDING EQUIPMENT NEEDED & REQUIRED INVESTMENT TO UPGRADE THIS ISOMERIZATION UNIT TO TOTAL RECYCLE UNIT IN FUTURE			"
	- NEW TOTAL RECYCLE ISOMERIZATION UNIT WITH CAPACITY (9500 B/D)			"
				"
				"
				"
				"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY  
 LOCATION : BASRAH  
 PROJECT 08-12 : WASTE WATER TREATMENT PLANT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-12-1050	- WASTE WATER TREATMENT PLANTS REHABILITATION	2	ONTRAC	Repairs to waster water plant
	- SPARE PARTS FOR TWO ABOVE UNITS	200	SET	"

LOCATION : BASRAH  
 PROJECT 08-13 : DEMI. PLANTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-08-13-1051	COMPLETE WATER DEMINERALIZATION PACKAGE UNIT WITH RECOMMENDED SPARE PARTS FOR BOILERS.	2	ONTRAC	Demin plant to supply treated water to 4 boilers

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-01-1061	CHEMICALS FOR INDUSTRIAL WATER TREATMENTS:			Ion exchange water treatment
	- RESINS FOR WATER DEMI . UNITS	100	M <sup>3</sup>	"
	- CHEMICALS FOR COOLING TOWER, BOILERS, WASTE & SERVICE WATER TREATMENT	500	TON	"
				"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-01-1062	MEASURING & CONTROL. INSTRUMENT WITH SPARE PARTS:			Instrumentation requirements
	- SPARE PARTS FOR EXISTING MEASURING & CONTROL SYSTEMS	350	SET	"
	- INSTRUMENT CABLES, THERMOCOUPLE CABLES, FITTINGS, TUBES	6000	NOS.	"
		13000	MTR.	"
08-10-09-01-1063	ELECTRICAL EQUIPMENT SPARE PARTS AND CABLES :			Electrical requirements
	- POWER & CONTROL CABLES	50000	MTR.	"
	- RELAYS, CONTACTORS, CHARGERS, BATTERIES	120	SET	"
	- CAPACITOR BANKS	4000	NOS.	"
	- SPARE PARTS FOR THE EXISTING ELECTRICAL EQUIPMENT	200	SET	"
	2500	NOS.		

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-01-1065	PIPES, TUBES, FITTINGS, PLATES, TRAYS, HEAT EXCHANGER	25000	MTR.	Workshop requirements
	BUNDLES, TUBE SHEETS FOR (HEAT EXCHANGERS FURNACES	100	ITEM	"
	BOILERS, FLARE, TOWER, MESH WIERS, GASKET & CARTRIDGE	100	SET	"
	FILTERS	500	NOS.	"
08-10-09-01-1066	RAW & SEMI FINISHED MATERIALS FOR WORKSHOP: (SOLID & HOLLOW BARS OF BRASS, BRONZE, ALLOY STEEL, CAST IRON FOR WORKSHOP REQUIREMENT	7000	MTR.	Workshop materials

LOCATION : KIRKUK  
 PROJECT 09-02 : REHABILITATION / REVAMPING OF  
 EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-02-1070	PUMPS, BLOWERS, GEARBOXES TO REPLACE OBSOLETE ONES, WITH RECOMMENDED SPARES	200	ITEM	Rehabilitation of units
		10000	NOS.	"
08-10-09-02-1071	UPGRADING OF COOLING TOWER WITH SPARE PARTS.	100	SET	"
		2000	NOS.	"
08-10-09-02-1072	MEASURING INSTRUMENTS (CONTROLLERS, RECORDERS, INDICATORS, AUXILIARY PANEL INSTRUMENT VIBRATION MONITORS, PRESSURE AND TEMP. GAUGES, LEVEL SWITCHES, THERMOCOUPLES, SOLENOID VALVES.	300	SET	"
		3500	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-02 : REHABILITATION / REVAMPING OF  
 EXISTING INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-02-1073	VALVES & REGULATORS WITH ACCESSORIES & SPARE PARTS	300	SET	Rehabilitation of units
		4000	NOS.	"
08-10-09-02-1074	IN LINE ANALYZERS, LAB. ANALYZERS, WITH SPARE PARTS	100	SET	On-line process control
		500	NOS.	"
08-10-09-02-1075	MOTORS WITH ACCESSORIES AND SPARES	20	SET	Rehabilitation of units
		2000	NOS.	"
	MOTOR CONTROL CENTERS (MCC), SWITCH BOARD, CONTROLS AND RECOMMENDED SPARE PARTS	10	SET	Rehabilitation of units
		200	NOS.	"
08-10-09-02-1076	FINNED PLATE HEAT EXCHANGER COOLING SYSTEM	2	SET	Rehabilitation of units

LOCATION : KIRKUK  
 PROJECT 09-03: SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-03-1080	WASTE WATER TREATMENT UNIT REHABILITATION & EXPANSION WITH SPARE PARTS	10	CONTRACT	Water treatment unit

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-04: SAFETY & ENVIRONMENT PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-04-1090	INSPECTION EQUIPMENT WITH SPARSE (NDT)	50	SET	NDT
		500	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : NORTH GAS COMPANY  
 LOCATION : KIRKUK  
 PROJECT 09-06: TESTING INSPECTION, STUDIES, SURVEYS  
 & LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-09-06-1100	INSPECTION: CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATION AT THE SUPPLIERS WORKS ABOARD	5	ONTRAC	PSI contracts
08-10-09-06-1101	CONSULTATION & ENGINEERING: TECHNICAL SERVICE CONTRACTS, SURVEY, STUDIES & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE, FOR IMPROVEMENT OF MAINTENANCE & OPERATION	4	ONTRAC	Efficiency studies
08-10-09-06-1102	MAINTENANCE SERVICE CONTRACTS.	5	ONTRAC	Repair of turbine rotors

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-01-1121	OVERHAUL MAINTENANCE FOR GAS TURBINES IN NORTH RUMAILA INCLUDING SUPPLY OF REQUIRED MATERIALS, EQUIPMENT AND INSTALLATION	6	CONTRACT	On-site maintenance contracts
08-10-10-01-1122	CYLINDER FILLING SYSTEM FOR NITROGEN PLANT	2	CONTRACT	N2 for cryogenic LPG tanks
08-10-10-01-1123	METERING SYSTEM FOR NATURAL GAS FEED TO KHOR - ZUBAIR, LPG, NGL PLANT, WITH ALL ACCESSORIES AND RECOMMENDED SPARES	4	SET	Control system
08-10-10-01-1124	ELECTRICAL POWER FACTOR CORRECTION EQUIPMENT WITH RECOMMENDED SPARES AND INSTALLATION	4	CONTRACT	Reactive load system

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-01-1125	PIPES, TUBES AND VALVES, FITTINGS, STRAINERS, BEARINGS, BELTS, BOLTS & NUTS, HEAT EXCHANGERS AND SPARES	20000 30000	MTR. NOS.	Maintenance requirements
08-10-10-01-1126	CONSUMABLE CHEMICALS MOLECULAR SEIVE, CERAMIC BALLS, TETRA ETHYL GLYCOL, SULFOLANE, DIPA, FOAM LIQUID & POWDER	6000 150000	TON LTR.	Chemical consumables
08-10-10-01-1127	SPARES FOR THE EXISTING GAS TURBINES, COMPRESSORS, PUMPS, AIR COLLAR FANS, BURNERS, FLARES WITH OVERHAUL MAINTENANCE	2500 500 4	NOS. SET CONTR ACT	Spares for turbines, compressors, flare systems

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-01-1129	ELECTRICAL INCLUDING MOTORS, ROTORS, CIRCUIT BREAKERS, TRANSFORMERS, CAPACITORS, CONTACTORS, JOINTS, LIGHTS, LAMPS, BALLAST HOLDERS, CABLES, WINDING WIRES, FUSES, INSULATION, BATTERIES, EXPANSION VALVES, SWITCHES, LINKS, AND SPARES PARTS	132000 2000 50000	NOS. SET MTR.	Electrical requirements for control systems

MINISTRY OF OIL  
ESTABLISHMENT NAME : SOUTH GAS COMPANY  
LOCATION : KHOR - ZUBAIR NGL, LPG PLANT, STORAGE &  
COOLING PLANT& FACILITIES, NORTH  
RUMAILA NGL PLANT AND SOUR GASES  
PROJECT 10-02 : REHABILITATION / REVAMPING OF EXISTING  
INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-02-1134	REVAMPING & REHABILITATION OF NGL PLANT INCLUDING SUPPLY OF REQUIRED MATERIALS & EQUIPMENT (ELECTRICAL, INSTRUMENTS, TOWERS, PIPES, HEATEXCHANGERS AND OTHER MISC. WITH TECHNICAL SERVICE AND CONSULTANCY	25000 500 4	NOS. SET CONTR ACT	Khor Zubair No 2 NGL plant rehabilitation
08-10-10-02-1135	DEVELOPMENT OF THE FUEL GAS SYSTEMS IN KHOR-ZUBAIR TO UTILIZE FLARED DRY GAS WITH SUPPLY MATERIALS, INCLUDING TECHNICAL ASSISTANCE & CONSULTANCY	3	CONTR ACT	Gas system to utilize flared gases
08-10-10-02-1136	DESIGN & SUPPLY FACILITIES TO UTILIZE DRY GAS FROM DEATHENISER AS FEED TO PETROCHEMICAL DIRECTLY INCLUDING TECHNICAL SURFACE, ASSISTANCE	2	CONTR ACT	System to use dry gas to re-activate sieves
08-10-10-02-1137	REVAMPING OF PROPANE COOLING SYSTEM FOR GAS TURBINES AT KHORE - ZUBAIR AND NORTH RUMAILA	6	CONTR ACT	Revamping of NGL plant cooling system
08-10-10-02-1138	REPLACEMENTS OF TWO REGENERATION COMPRESSORS FOR MOLECULAR SEIVE USED FOR THE DEHYDRATION	2	SET	Replacement of compressors
08-10-10-02-1139	AIR COMPRESSORS & CHILLERS WITH RECOMMENDED SPARE PARTS WITH INSTALLATION AND PRE COMMISSIONING	6	CONTR ACT	NGL plant spares
08-10-10-02-1140	GAS TURBINES WITH RECOMMENDED SPARES WITH INSTALLATION & PRE-COMMISSIONING	4	CONTR ACT	Turbine refurbishment
08-10-10-02-1141	REVAMPING OF CONTROL SYSTEM FOR EXISTING GAS TURBINES AND COMPRESSORS WITH RECOMMENDED SPARE PARTS (RETROFIT) WITH INSTALLATION	4	CONTR ACT	Control system repairs

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR - ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT& FACILITIES, NORTH  
 RUMAILA NGL PLANT AND SOUR GASES  
 PROJECT 10-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-02-1142	REHABILITATION, PRE COMMISSIONING & START UP OF LPG GAS STORAGE & COOLING PLANT IN UM-QASSR:	6	ONTRAC	Gas storage terminal, 2 tanks, for C3/C4 gases to store excess gas for use in winter
	- REHABILITATION, PRE COMMISSIONING & START UP OF CRYOGENIC STORAGE TANKS & COMPRESSORS, PUMPS & PIPE LINE RELATED TO IT AT STORAGE TANKS SITE			
	- REHABILITATION, PRE COMMISSIONING & START UP OF PROPANE, BUTANE & NATURAL GASOLINE LOADING ARMS			
	- SCOPE OF SUPPLY INCLUDE STUDY, WORK & MATERIALS			
08-10-10-02-1143	REVAMPING OF AIR COMPRESSORS AND THE DEHYDRATION UNIT OF WET GASES CONTROL SYSTEMS	4	ONTRAC	Wet gas storage at Khor Zubair

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR - ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT& FACILITIES, NORTH  
 RUMAILA NGL PLANT AND SOUR GASES  
 PROJECT 10-03 : SUSTAINING & ENHANCING PRODUCTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-03-1146	STUDY AND SUPPLY OF REQUIRED MATERIALS TO SEPARATE & UTILIZE SOUR GASES PRODUCED FROM NORTH RUMAILA NGL PLANT LIHAIS, WEST QUARNA INCLUDING TECHNICAL ASSISTANTS	30000 2000 6	NOS. SET CONTR ACT	Contract to remove H2S from sour gas
08-10-10-03-1147	REPLACEMENT AIR COOLING SYSTEM WITH RECOMMENDED SPARES AND INSTALLATION, PRE COMMISSIONING	2	ONTRAC	Air coolers for flare funnels

MINISTRY OF OIL  
 ESTABLISHMENT NAME : SOUTH GAS COMPANY  
 LOCATION : KHOR - ZUBAIR NGL, LPG PLANT, STORAGE &  
 COOLING PLANT& FACILITIES, NORTH  
 RUMAILA NGL PLANT AND SOUR GASES  
 PROJECT 10-04 : SAFETY AND ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-04-1159	FIRE FIGHTING SYSTEM WITH RECOMMENDED SPARES INCLUDING INSTALLATION	3	ITEM	Fire fighting equipment plus spares
08-10-10-04-1160	FIRE ALARM SYSTEM WITH RECOMMENDED SPARES AND INSTALLATION	2	ITEM	Fire alarm system

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-05-1165	RENEW OF THE CENTRAL, CHILLERS & WINDOW TYPE AIR CONDITIONING SYSTEMS COMPLETE WITH SPARES	100 30	NOS. SET	A/C requirements
08-10-10-05-1166	SPARE PARTS FOR LIFTING, HANDLING, FIRE FIGHTING, BUSES, TRUCKS & OTHER VEHICLES	50000 2000	NOS. SET	Transportation spare parts
08-10-10-05-1167	- WORK SHOP REQUIREMENTS INCLUDE DIESEL, ELECTRIC AND HAND WELDING MACHINES, PUMPS, AIR COMPRESSORS,	2000 200	NOS. SET	Workshop requirements "
	LIFTING, HANDLING, GRINDING WITH THEIR ACCESSORIES AND SPARES			
	- MANUAL, HYDRAULIC TOOLS WITH CONSUMABLE MATERIALS FOR ABRASIVE AND GRIND, CUTTING	30000 4000	NOS. SET	" "

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

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-10-06-1176	TECHNICAL ASSISTANCE FOR IMPROVEMENT OF OVERHAUL MAINTENANCE OF THE PLANT.	2	CONTR ACT	Assessment of plant maintenance
08-10-10-06-1177	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIER WORKS ABROAD	2	CONTR ACT	PSI contracts

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-01-1190	LPG CYLINDER VALVES AND SPARES:-			Cylinder valve replacemnts
	- VALVE, COMPLETELY ASSEMBLED	1000000	NOS.	"
	- UPPER PARTS OF VALVES	1000000	NOS.	"
	- SPINDLE	6000000	NOS.	"
	- O-RING	1000000	NOS.	"
08-10-11-01-1191	FILLING HEAD AND SPARES :-			Cylinder valve replacemnts
	- MANUAL FILLING HEAD COMPLETE	200	NOS.	"
	- SPARE PARTS FOR ABOVE	10000	NOS.	"
	- SET OF TOOLS	100	SET	"
08-10-11-01-1192	SPARE PARTS FOR KUT CYLINDER FACTORY :-			Requirements for maintenance of cylinder factory
	- SPARE PARTS FOR EQUIPMENT & MACHINES & REPLACEMENT EQUIPMENT	25	ITEM	"
	- DIES FOR THE MAINTENANCE OF LPG CYLINDER	4	NOS.	"
	- STRIP FEEDER FOR BLANK CUTTING PNEUMATIC CHISEL UNIT, VALVE, SCREWING MACHINE, WASHING PLANT FOR CLEANING LPG CYLINDER	18	NOS.	"
	- MECHANICAL & PNEUMATIC MANIPULATOR FOR WELDING BASE RINGS & GUARD OF LPG CYLINDER	40	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-01-1193	ELECTRICAL & INSTRUMENT SPARE PARTS FOR LPG FILLING PLANTS:-			Spares for LPG filling plants
	- SPARE PARTS FOR INSTRUMENT EQUIPMENT ( METERS, ROTARY, GAUGES, MOTOR )	100	ITEM	"
	- SPARE PARTS FOR ( H.T & L.T ) ELECTRICAL EQUIPMENT	50	ITEM	"
	- SPARE PARTS FOR ELECTRIC MOTORS AND GENERATORS	100000	NOS.	"
	- SPARE PARTS FOR DIESEL DRIVEN PUMP FOR WATER, TRUCK & PICK UP.	500	SET	"
	- SPARE PARTS FOR CATHODIC PROTECTION	20	ITEM	"
08-10-11-01-1194	SCREW & NUT	1500000	NOS.	"
08-10-11-01-1196	MECHANICAL SPARE PARTS FOR LPG FILLING PLANTS:-			Spares for LPG filling plants
	- SPARE PARTS FOR BOILER	20	ITEM	"
	- SPARE PARTS FOR FILLING PLANTS	100000	NOS.	"
	- SPARE PARTS FOR GAS COMPRESSORS	100	SET	"
	- SPARE PARTS FOR TESTING FILLING PLANTS	150	ITEM	"
	- CHEMICALS	1000	NOS.	"
		80	TON	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-02 : REHABILITATION / REVAMPING OF EXISTING  
 INSTALLATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-02-1201	LPG CYLINDERS COMPLETE WITH VALVES	1000000	NOS.	Complete LPG cylinders

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-03 : SUSTAINING & ENHANCING PRODUCTION  
 CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-03-1205	STEEL PLATE:-			Repeat of phase 9
	- STEEL PLATE FOR LPG CYLINDER BODY	2000	TON	"
	- STEEL PLATE FOR CYLINDER GUARD RINGS	1000	TON	"
08-10-11-03-1206	- STEEL PLATE FOR CYLINDER BASE RINGS	1000	TON	"
	PLATES & ACCESSORIES FOR LPG VESSELS:-			
	- STEEL PLATE FOR 3000 CU.M LPG SPHERICAL STORAGE TANKS	6	SET	"
08-10-11-03-1207	TOOLS & APPLIANCES WITH SPARE PARTS FOR FORMING BASE & GUARD FOR DEFORMED CYLINDERS:-			
	- ECCENTRIC PRESS 100 TON CAPACITY	7	SET	"
	- HYDRAULIC PRESS 100 TON CAPACITY	3	SET	"
	- BENDING MACHINE FOR BASE RING	3	SET	"
	- ROUND STEEL BENDING MACHINE	7	SET	"
	- ROUND STEEL CUTTING MACHINE	7	SET	"
	- ROUND STEEL FORMING MACHINE	7	SET	"
	- TRIMMING MACHINE	3	SET	"
	- HOLDERS	7	SET	"
	- OXY-LPG CUTTING EQUIPMENT	3	SET	"
- SPARE PARTS FOR ABOVE	20000	NOS.	"	

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-04-1210	FIRE FIGHTING & SAFETY EQUIPMENT :-			Safety requirements
	- SELF AUTOMATIC FIRE EXTINGUISHING SYSTEM WITH SPARE PARTS	1000	NOS.	"
		3750	NOS.	"
	- FIRE FIGHTING EQUIPMENT	5000	KG.	"
		5000	PAIRS	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-05-1216	WORKSHOP MACHINES , TOOLS AND SPARES :-			Workshop requirements
	- WORKSHOP TOOLS	20	ITEM	"
	- WORKSHOP MACHINE (PRESS BENDING & CUTTING PLATES)	20	ITEM	"
	- HEAT EXCHANGER & BOILERS MAINTENANCE TOOLS	20	ITEM	"
	- WELDING MACHINE (ELECTRIC & DIESEL) WITH ACCESSORIES	20	ITEM	"
	- SPARE PARTS FOR ABOVE	100	ITEM	"
08-10-11-05-1217	COOLING / HEATING SYSTEMS :-			Climate control
	- EQUIPMENT FOR COOLING / HEATING (AIR CONDITIONING, WATERCOOLERS, CHILLERS, ...ETC.)	50	NOS.	"
	- SPARE PARTS FOR ABOVE	20	ITEM	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-05 : SERVICE AND PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-05-1218	HYDRAULIC LIFTING EQUIPMENT FOR REPAIRING & MAINTENANCE OF VEHICLE & TRUCKS & WASHING MACHINE	20	ITEM	Truck Repair

MINISTRY OF OIL  
 ESTABLISHMENT NAME : GAS FILLING CO.  
 LOCATION : ALL AREAS  
 PROJECT 11-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-11-07-1230	OXYGEN & NITROGEN PLANT COMPLETE	2	ONTRAC	N2 for purging, O2 for processes
08-10-11-07-1231	LPG FILLING PLANTS			LPG Filling Plant
	- TWO AUTOMATIC LPG FILLING PLANTS COMPLETE	2	ONTRAC	"
	- REPAIR & MAINTENANCE SHOP FOR LPG CYLINDER VALVES	2	ONTRAC	"
	- REVAMPING OF LPG CYLINDER MANUFACTURING & MAINTENANCE PLANTS	2	ONTRAC	"
	- LPG CYLINDER REPAIR PLANT	4	ONTRAC	"
	- LPG CYLINDER MANUFACTURING PLANT	2	ONTRAC	"
	- LPG CYLINDER VALVE MANUFACTURING PLANT	2	ONTRAC	"
	- PRODUCTION LINE FOR MANUFACTURE OF LPG CYLINDER BASE & RINGS	1	ONTRAC	"
	- PLANTS FOR CARBON DIOXIDE	5	ITEM	"
		1000	NOS.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-01-1240	POLYETHYLENE TAPE AND PRIMER FOR ALL AREAS: - OUTER TAPE WHITE - INNER TAPE BLACK - PRIMER	150000	SQ.M.	Maintenance requirements for all areas
		150000	SQ.M.	"
		20000	LIT	"
				"
08-10-12-01-1241	LINE PIPE, CARBON STEEL, DIFFERENT SIZES & SCHEDULES WITH SUITABLE NUMBERS OFF HEAT SHRINKABLE SLEEVES FOR ALL AREAS	100	KM.	As above
08-10-12-01-1242	VALVES, PIPE FITTINGS, DIFFERENT SIZES AND SCHEDULES FOR PIPE LINES AND PUMPING STATIONS FOR ALL AREAS.	6000	NOS.	As above
08-10-12-01-1243	ELECTRIC MOTORS, LOW VOLTAGE, FOR LOADING & UNLOADING OIL PRODUCTS IN DEPOTS & PUMPING STATION, OF DIFFERENT RATINGS, ALL AREAS	100	NOS.	As above
08-10-12-01-1244	SPARE PARTS FOR HIGH VOLTAGE ELECTRIC MOTORS FOR L.P.G. PUMPS, DIFFERENT SIZES, ALL AREAS.	500	NOS.	As above
08-10-12-01-1245	CONTROL CABLES, STRANDED COPPER CONDUCTORS WITH SHIELD, DIFFERENT SIZES AND LENGTH.	50	KM.	As above
08-10-12-01-1246	SPARE PARTS FOR EXISTING PUMPING STATIONS AND DEPOTS INCLUDING L P G PRESSURE REDUCTION STATIONS AND SPARE PARTS FOR LOADING ARM EQUIPMENT ( COUNTER, TICKET PRINTER, CONTROL VALVES, ...ETC )	6000	NOS.	As above

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-01-1247	SPARES FOR AIR CONDITIONING EQUIPMENT, DIFFERENT SIZES AND TYPES.	2500	NOS.	Control room and ops a/c spares
08-10-12-01-1248	PABX TELEPHONE EXCHANGE, COMPLETE WITH ALL RECOMMENDED EQUIPMENT AND ACCESSORIES REQUIRED FOR OPERATION WITH 2 YEARS OPERATION SPARE PARTS	10	NOS.	Replacement telecom system for Euphrates/Baghdad area
08-10-12-01-1249	- PORTABLE TELEPHONE.	20	NOS.	Portable coms for
	- RADIO LINK COMPLETE WITH ACCESSORIES AND SPARES .			site engineers

MINISTRY OF OIL  
ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
LOCATION : ALL AREAS  
PROJECT 12-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-01-1250	TELEPHONE CABLE, UNDERGROUND, COLOURED CONDUCTORS, PVC INSULATED, STEEL WIRE ARMoured, DIFFERENT SIZES RANGING FROM (30X2X0.8 TO 70X2X0.8).	10	KM.	Control system spares
08-10-12-01-1251	PETROLEUM TESTING EQUIPMENT, DIFFERENT TYPES, INCLUDING OCTANE TESTING APPARATUS.	20	NOS.	Portable RON testing for Q/C
08-10-12-01-1252	FIRE FIGHTING EQUIPMENT & MATERIALS INCLUDING: INDUCTOR FOAM, SPRAY NOZZLES, EXTINGUISHERS, FILLING EQUIPMENT, HYDRANTS, PROTECTIVE CLOTHING, DIESEL & ELECTRIC PUMPS, VEHICLES WITH SPARES	1000	NOS.	Fire fighting
	-SPARE PARTS FOR FIRE FIGHTING VEHICLES & EQUIPMENT	2000	NOS.	Fire fighting



MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-07-1265	- FIRE FIGHTING SYSTEMS FOR THE PUMP STATIONS INCLUDING WATER & FOAM SYSTEMS, PUMPS OF VARIOUS TYPES, PIPING NETWORKS, HYDRANTS, MONITORS, HOSE REEL CABINETS, FIRE DETECTORS, FIRE EXTINGUISHERS, ETC.. - ELECTRIC DRIVEN PUMPS SOME WITH HEAT TRACING & THERMAL INSULATION WITH ALL NECESSARY ACCESSORIES - FABRICATED PIG LAUNCHING & RECEIVING TRAPS C/W PIGS, PIG LOADING & UNLOADING FACILITIES, PIG INDICATORS, WITH ALL ACCESSORIES INCLUDING PIPE, VALVES, FITTINGS, VENTING, GASKETS, INSULATING JOINTS & KITS, BOLTS & NUTS, FLANGES, ETC.. - FABRICATED DRAINAGE VESSELS WITH ALL ACCESSORIES LIKE SUMP PUMPS, STEEL STRUCTURE, ETC.. - SKID MOUNTED METERING SYSTEMS, CONTROLS, CONTROL PANELS, CABLES, INSTRUMENTATION, GAUGES, INDICATORS, TRANSMITTERS, INDUSTRIAL COMPUTERS, VALVES, CONTROL VALVES, ETC.. - ELECTRICAL (SWITCH GEAR, DISTRIBUTION BOARDS, CABLES, PORCELAIN INSULATORS, TRANSFORMERS, LIGHTING FITTINGS & OTHER ACCESSORIES LIKE JOINTING KITS, LUGS, TERMINALS) ETC..			As previous page
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MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-07-1266	LINE PIPE, CARBON STEEL, DIFFERENT SIZES, 250 KM, FACTORY - COATED WITH EXTRUDED POLYETHYLENE FOR LIGHT OIL PRODUCTS PIPELINES FROM DIWANIYA TO KARKH. - COMPLETE PIG LAUNCHING & RECEIVING FACILITIES INCLUDING PIPES, VALVES, FITTINGS, VENTING, CONTROLS, INSTRUMENTATION, ELECTRICAL, PIGS AND PIG LOADING AND UNLOADING FACILITIES WITH ALL NECESSARY ACCESSORIES. - METERING AND PRESSURE REDUCTION STATIONS SKID MOUNTED. - ISOLATING LINE BREAK VALVES. - CATHODIC PROTECTION SYSTEM. - PUMPING AND RECEIVING STATIONS WITH ALL RECOMMENDED ACCESSORIES, VALVES FITTINGS, INSTRUMENTATION, ELECTRICAL BOARDS.....ETC. - VALVES, FLANGES, FITTINGS, CAPS, GASKETS. BOLTS, ETC. - WELDING ELECTRODES. - TELECOM CONTROL AND MONITORING EQUIPMENT WITH TELECOMMUNICATIONS. - HEAT SHRINKABLE SLEEVES. TO BE CONTINUED	50	CONTRAC	3rd leg of proposed product distribution system
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MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-07-1266	- ELECTRIC EQUIPMENT INCLUDING CABLES , LIGHTING FITTINGS ...ETC. - CONSUMABLE MATERIALS FOR CONSTRUCTION - TECHNICAL ASSISTANCE AND ENGINEERING CONSULTANCY.			Continuation from previous page
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08-10-12-07-1267	EQUIPMENT AND MATERIAL TO CONNECT NEW LIGHT OIL STORAGE TANKS WITH THE EXISTING TANKS IN DEPOTS AND PUMPING STATIONS INCLUDING LINE PIPES, VALVES, FITTINGS, WELDING ELECTRODES, CATHODIC PROTECTION MATERIALS, INSTRUMENTS, ELECTRICAL CABLES, SUB - STATIONS, FITTINGS & ANY OTHER ACCESSORIES REQUIRED FOR THE NETWORK TO BE OPERATED.	50	ONTRAC	Interconnection and building of new tanks in depots
08-10-12-07-1268	LINE PIPE, CARBON STEEL, 12" DIAMETER, 40 - KM LONG, TO TRANSPORT CRUDE OIL FROM STRATEGIC PIPE LINE TO THE NASSIRYIA POWER STATION, FACTORY COATED WITH EXTRUDED POLYETHYLENE PLUS HEAT SHRINKABLE SLEEVES FOR GIRTH WELDS TO INCLUDING: PRESSURE - REDUCTION STATION, LINE BREAK VALVES, PIG TRAPS, VALVES, ELECTRICAL, INSTRUMENTATION, WELDING ELECTRODES, PIPE FITTINGS CATHODIC PROTECTION, AND OTHER ACCESSORIES INCLUDING TECHNICAL ASSISTANCE AND ENGINEERING CONSULTANCY.	15	ONTRAC	Line to connect power station to strategic line for crude supply

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-07-1269	LINE PIPE, CARBON - STEEL, 18" DIAMETER, 40 KM LONG, TO TRANSPORT DRY GAS FROM STRATEGIC PIPELINE TO THE NATIONAL DRY GAS GRID, FACTORY - COATED WITH EXTRUDED POLYETHYLENE PLUS HEAT SHRINKABLE SLEEVES FOR GIRTH WELDS, INCLUDING THE FOLLOWING: LINE BREAK VALVES, PIG TRAPS, VALVES, ELECTRICAL, INSTRUMENTATION, WELDING ELECTRODES, CATHODIC PROTECTION, AND OTHER ACCESSORIES INCLUDING TECHNICAL ASSISTANCE AND ENGINEERING CONSULTANCY ( CONTINUATION AND COMPLETION ).	10	ONTRAC	Connection of strategic pipeline to national dry gas grid
08-10-12-07-1270	REHABILITATION OF DRY GAS COMPRESSOR RUMAILA - NORTH SOUTHERN AREA, INCLUDING THE FOLLOWING: - MAINTENANCE OF MAIN COMPRESSORS. - INSTALLATION OF NEW COMPRESSORS. - PIPE FITTINGS, VALVES, ETC. - CONTROL AND MONITORING EQUIPMENT. - ELECTRICAL EQUIPMENT: FITTINGS, CABLES, BOARDS, TELECOMMUNICATIONS ETC. - TECHNICAL ASSISTANCE / ENGINEERING CONSULTANCY, ETC.	20	ONTRAC	Repair of N/S Rumailah gas compressors
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MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PIPELINES COMPANY  
 LOCATION : ALL AREAS  
 PROJECT 12-07 : DEVELOPMENT PROJECTS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-12-07-1271	- CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED - UPON GOODS, TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIERS ' WORKS ABROAD.	10	CONTRAC	PSI contracts
	- SURVEY, KNOW - HOW, TECHNICAL ASSISTANCE, ENGINEERING CONSULTANCY AND SUPPLY OF NECESSARY MATERIALS & EQUIPMENT TO REHABILITATE & UPGRADE TO ENSURE PROPER OPERATION & SAFEGUARD PIPE LINES & VESSELS.			

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-01-1282	FORKLIFT 3 TON CAP. WITH HOOK FOR LIFTING 1 TON WITH SPARE PART	5	SET	Maintenance
08-10-13-01-1283	FORKLIFT 3 TON & 5 TON WITH SPARE PARTS	50	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-01-1292	- PIPES SIZE ( 2" , 3" ,4" )	30000	MTR.	Maintenance requirements
	- FITTINGS SIZE ( 2" , 3" , 4" )	10000	NOS.	"
08-10-13-01-1300	COMMUNICATIONS EQUIPMENT AND, EXCHANGERS	15	ITEM	Maintenance requirements
08-10-13-01-1301	SPARE PARTS FOR TELEPHONE EXCHANGES	50	ITEM	"
08-10-13-01-1302	COMMUNICATION CABLES FOR COMMUNICATION TELEPHONE SET	10000	MTR.	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-01 : MAINTENANCE & OPERATION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-01-1303	ELECTRICAL CABLES , VARIOUS SIZE	100000	MTR.	Maintenance requirements
08-10-13-01-1304	ELECTRICAL CONTROL EQUIPMENT VARIOUS TYPES	1000	ITEM	"
08-10-13-01-1305	LIGHTING FITTING AND ACCESSORIES	10000	NOS.	"
08-10-13-01-1306	COMPLETE REFUELING SYSTEM WITH ALL ITS ACCESSORIES	100	SET	"
08-10-13-01-1307	VOLTAGE REGULATOR ( STABILIZER )	100	SET	"
08-10-13-01-1308	TOOLS KITS FOR MAINTENANCE TEAMS ELECTRICAL & MECHANICAL	500	SET	"
08-10-13-01-1309	TANK LEVEL GAUGE (MECHANICAL) FOR OIL PRODUCTS STORAGE TANKS HEIGHT RANGE (5M-15M)	100	NOS.	"

LOCATION : ALL AREAS  
 PROJECT 13-03 : SUSTAINING & ENHANCING PRODUCTION CAPABILITIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-03-1320	EQUIPMENT & MATERIAL TO CONNECT NEW OIL PRODUCTS TANKS WITH THE EXISTING TANKS IN DEPOTS INCLUDING LINE PIPES, VALVES, FITTINGS, WELDING ELECTRODES, CATHODIC PROTECTION MATERIAL, INSTRUMENTS, ELECTRICAL CABLES & SUBSTATIONS & ANY OTHER ACCESSORIES REQUIRED	20	CONTRACT	Pipeline connections for depots
08-10-13-03-1321	STEEL PLATES& ACCESSORIES FOR (5000-20000) m <sup>3</sup> FIXED & FLOATING ROOF PRODUCTS TANKS	20	SET	Fuel storage (20 tanks)
08-10-13-03-1322	FIXED & FLOATING ROOF TANKS CAP. 5000-10000M <sup>3</sup> & WITH ACCESSORIES	11	NOS.	Fuel storage (11 tanks)

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-04 : SAFETY & ENVIRONMENTAL PROTECTION

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-04-1327	FIRE FIGHTING PUMPS	20	SET	Fire fighting

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-05 : SERVICE & PLANT EQUIPMENT

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-05-1337	TYRES SIZE 1200X24X18 ( RADIAL ) WITH TUBE & FLAP	1000	NOS.	"
08-10-13-05-1338	TYRES SIZE 1200X20X18 (RADIAL) WITH TUBE & FLAP	14000	NOS.	"
08-10-13-05-1339	TYRES SIZE 315X80X22.5 (RADIAL) WITH TUBE & FLAP	1500	NOS.	"
08-10-13-05-1340	TYRES & TUBES OF VARIOUS SIZES FOR LIGHT TRUCKS	3000	NOS.	"
08-10-13-05-1341	AIR CONDITIONING UNITS	230	NOS.	"
08-10-13-05-1343	MINI BUSES WITH SPARE PARTS	35	SET	"
08-10-13-05-1345	STREET LIGHTING CHANGING & LIFTING TRUCK DOUBLE CABIN WITH CRANE (CAP.500 KG) WITH SPARE PART	2	SET	"
08-10-13-05-1346	SPARE PART FOR LIGHT TRUCKS	100	ITEM	"
08-10-13-05-1349	PICK UP DOUBLE CABIN WITH SPARE PARTS	100	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.  
 LOCATION : ALL AREAS  
 PROJECT 13-06 : TESTING, INSPECTION, STUDIES & SURVEYS &  
 LABORATORIES

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-13-06-1355	CALIBRATING MASTER METER (1300-1500) L/MIN, MOBILE	10	SET	Meter proving
08-10-13-06-1356	OIL PRODUCTS TESTING APPARATUS WITH ACCESSORIES AND SPARE PARTS.	50	ITEM	Quality control requirements
08-10-13-06-1357	INSPECTION AND TESTING EQUIPMENT FOR GENERAL MAINTENANCE OF SERVICE STATION & DEPOTS, PIPING SYSTEM & TANKS ( MECHANICAL / ELECTRICAL )	20	ITEM	NDT equipment
08-10-13-06-1358	CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIER'S WORKS ABROAD	2	ONTRAC	PSI contracts

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL TRAINING INSTITUTES  
 LOCATION : BAGHDAD / BASRAH / BAIJI  
 PROJECT 14-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-14-01-1365	OIL WELL FISHING TOOLS	1	SET	"On-site" training equipment
08-10-14-01-1366	OIL WELL CORE EXTRACTION EQUIPMENT	1	SET	"
08-10-14-01-1367	5 INCH (DRILL STEM TEST DST ) STRING	1	SET	"
08-10-14-01-1368	OIL WELL CEMENT LAB. EQUIPMENT WITH SPARE PARTS ,INSTALLATION, COMMISSIONING AND TRAINING	1	SET	"
08-10-14-01-1369	OIL WELL HOLE DEVIATION MEASURING TOOL	1	SET	"
08-10-14-01-1370	OIL WELL DRILLING RIG SIMULATOR FOR TRAINING WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	2	SET	"
08-10-14-01-1371	EQUIPMENT FOR DRILLING RIG MECHANICS WORK- SHOP FOR TRAINING WITH SPARE PARTS	1	SET	"
08-10-14-01-1372	DRILLING RIG TOP DRIVE EQUIPMENT FOR TRAINING	1	SET	"
08-10-14-01-1373	COMPLETE DEGASSING STATION WITH OIL & GAS TREATMENT UNITS SIMULATOR WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	2	SET	"
08-10-14-01-1374	WIRE LINE UNIT WITH SLICK LINE (FOR WIRE LINE OPERATION ) WITH SPARE PARTS	1	SET	"
08-10-14-01-1375	TOOLS AND EQUIPMENT FOR FIELD MEASUREMENT WORK-SHOP FOR TRAINING WITH SPARE PARTS	1	SET	"
08-10-14-01-1376	OIL WELL WIRE LINE PRODUCTION TOOLS WITH RUNNING AND PULLING TOOLS	1	SET	"
08-10-14-01-1377	BLOW OUT PREVENTER ACCUMULATOR UNIT WTH SPARE PARTS	1	SET	"
08-10-14-01-1378	CONTINUOS NATURAL GAS DEHYDRATION PROCESS PILOT PLANT WITH SPARE PARTS.	4	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL TRAINING INSTITUTES  
 LOCATION : BAGHDAD / BASRAH / BAIJI  
 PROJECT 14-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-14-01-1379	LANGUAGE LAB.	1	SET	Language training
08-10-14-01-1381	SIMI AUTOMATIC FILLING MACHINE FOR L.P.G CYLINDER FOR TRAINING STUDENTS WITH SPARE PARTS	4	SET	"
08-10-14-01-1382	CONTINUOUS NATURAL GAS SWEATING PROCESS FROM H <sub>2</sub> S & CO <sub>2</sub> PILOT PLANT WITH SPARE PARTS.	4	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL TRAINING INSTITUTES  
 LOCATION : BAGHDAD / BASRAH / BAIJI  
 PROJECT 14-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-14-01-1383	UNDER GROUND OIL STORAGE SIMULATOR WITH SPARE PARTS	4	SET	Training simulation equipment
08-10-14-01-1384	CENTRIFUGAL PUMP TEST BENCH WITH SPARE PARTS,	2	SET	"
08-10-14-01-1385	SERIES/PARALLEL PUMP TEST BENCH WITH SPARE PARTS	2	SET	"
08-10-14-01-1386	PRESS FILTER WITH SPARE PARTS	3	SET	"
08-10-14-01-1387	WATER TREATMENT UNIT WITH CATION-ANI EXCHANGE BED WITH SPARE PARTS	4	SET	"
08-10-14-01-1388	WATER COOLING TOWER (MULTI-PACKED COLUMN SYSTEM) WITH SPARE PARTS	4	SET	"
08-10-14-01-1389	AUTOMATED GAS COMPRESSION PILOT PLANT FOR TRAINING STUDENT (TWO STAGES ) WITH SPARE PARTS, INSTALLATION, COMMISSIONING	4	SET	"
08-10-14-01-1390	INTEGRATED CONTROL UNIT FOR TRAINING (PRESSURE, LEVEL, TEMPERATURE & FLOW) ELECTRONIC TYPE. WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING	3	SET	"
08-10-14-01-1391	PUMPS & COMPRESSORS FOR TRAINING, COMPLETE WITH SPARE PARTS, ACCESSORIES & TRAINING.	1	SET	"
08-10-14-01-1392	ENGINEERING TESTING AND INSPECTION APPARATUSES, INCLUDING ULTRA SONIC, CORROSION DETECTORS, AND TEST MACHINES, FOR TRAINING, COMPLETE WITH SPARE PARTS, ACCESSORIES AND TRAINING.	3	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL TRAINING INSTITUTES  
 LOCATION : BAGHDAD / BASRAH / BAIJI  
 PROJECT 14-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-14-01-1393	WELDING, AND CUTTING MACHINES FOR TRAINING, COMPLETE WITH SPARE PARTS AND ACCESSORIES	1	SET	Training simulation equipment
08-10-14-01-1395	AUTOMOBILE WORKSHOP TRAINING EQUIPMENT, COMPLETE WITH SPARE PARTS AND ACCESSORIES	1	SET	"
08-10-14-01-1396	OIL INDUSTRY SAFETY REQUIREMENTS FOR TRAINING , COMPLETE WITH SPARE PARTS AND ACCESSORIES.	1	SET	"
08-10-14-01-1397	LATHE AND MILLING MACHINES COMPLETE WITH SPARE PARTS, AND ACCESSORIES.	1	SET	"
08-10-14-01-1398	GAS TURBINE SECTIONED FOR TRAINING, COMPLETE WITH ACCESSORIES	2	SET	"
08-10-14-01-1399	ELECTRICAL SIMULATORS FOR TRAINING WITH SPARE PARTS, INSTALLATIONS , COMMISSIONING AND TRAINING	1	SET	"
08-10-14-01-1400	ELECTRICAL MACHINE WINDING FOR TRAINING WITH SPARE PARTS, INSTALLATIONS , COMMISSIONING AND TRAINING	1	SET	"
08-10-14-01-1401	TUTOR AND ELECTRICAL LABORATORY EQUIPMENT FOR TRAINING WITH SPAR PARTS.	1	SET	"

MINISTRY OF OIL  
 ESTABLISHMENT NAME : OIL TRAINING INSTITUTES  
 LOCATION : BAGHDAD / BASRAH / BAIJI  
 PROJECT 14-01 : MAINTENANCE & OPERATIONS

CODE	ITEM DESCRIPTION	QTY	UNIT	COMMENT
08-10-14-01-1402	SPEED CONTROL FOR AC & DC MOTORS AND SYSTEM FOR DC & AC DRIVE WITH SPARE PARTS	1	SET	Training simulation equipment
08-10-14-01-1403	ELECTRICAL INSTALLATIONS SYSTEM FOR TRAINING WITH SPARE PARTS.	1	SET	"
08-10-14-01-1404	ASSEMBLY SYSTEM FOR ROTATING ELECTRIC MACHINES WITH SPARE PARTS	4	SET	"
08-10-14-01-1407	PLC,S INDUSTRIAL WITH SPARE PARTS , INSTALLATIONS , COMMISSIONING AND TRAINING	2	SET	Training hardware
08-10-14-01-1408	TRAINING PACKAGES: SOFTWARE WITH INTERACTIVE VIDED	1	SET	Training software