

MINISTRY OF OIL

SHEET NO.: 1 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-01-0001 | SUPPLY OF 48" PIPES (67 KM), VALVES, FITTINGS & ACCESSORIES REPLACEMENT OF 32" & 30" PIPELINE FOR K3 & T1 STATIONS . | | |
| 08-13-01-01-0002 | SPARE PARTS FOR AIR COMPRESSORS AT PROCESS PLANT & DEGASSING STATIONS. | | |
| 08-13-01-01-0003 | SPARE PARTS FOR HEATER (FITTING AND TUBES) AT PROCESS PLANT . | | |
| 08-13-01-01-0004 | SPARE PARTS FOR G.E.C GAS TURBINE TYPE EM 85 FOR WATER INJECTION PROJECT AT ZAB AREA . | | |
| 08-13-01-01-0005 | SPARE PARTS FOR TURBINE AND COMP. FOR SOLAR GAS TURBINE AT AB4,5,6&7 GAS COMP. STATIONS . | | |
| 08-13-01-01-0006 | SPARE PARTS FOR ALSTOM GAS TURBINE SET (FRAME 5) TYPE MS 5001(MECH/INST) AT BABA AREA . | | |
| 08-13-01-01-0007 | ELECTRICAL SPARE PARTS FOR GAS COMPRESSOR & DEGASSING STATIONS. | | |
| 08-13-01-01-0008 | ELECTRICAL EQUIPMENTS , MATERIALS AND SPARE PARTS FOR GENERAL MAINTENANCE . | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-01-01-0009 | ELECTRICAL EQUIPMENT , MATERIALS AND SPARE PARTS FOR SADDAM OIL FIELD . | | |
| 08-13-01-01-0010 | SPARE PARTS FOR STATION CONTROL SYSTEM BY PLC (SOFT WARE+HARDWARE) FOR NOC PRODUCTION AND PUMPING STATIONS (ITP, WET CRUDE OIL, POWER STATION AND COLD STRIPPING PLANTS). | | |
| 08-13-01-01-0011 | FIELD INSTRUMENTS FOR GAS PROCESSING EQUIPMENTS AT SADDAM OIL FIELD . | | |
| 08-13-01-01-0012 | SPARE PARTS FOR HITACHI & SOLAR GAS TURBINE AT (AB1-AB8) GAS COMPRESSOR STATIONS . | | |
| 08-13-01-01-0013 | CONTROL & MEASURING INSTRUMENTS AND SPARE PARTS FOR ALL LOCATIONS . | | |
| 08-13-01-01-0014 | SHUTDOWN AND CONTROL VALVES FOR GAS COMPRESSOR STATIONS AB1-AB8 & SPARE PARTS . | | |
| 08-13-01-01-0015 | A- TELEPHONE EXCHANGE , CAPACITY (800) LINE REPLACEMENT FOR K1 & T/1 . B- MUX 30 CHANNEL CAPACITY FOR K/2 , K/3 & T/1 . | | |
| 08-13-01-01-0016 | SPARE PARTS FOR PABX TYPE AUTOMATION EXCHANGE SAE 3000/1000 SELTA PRODUCT (ITALK) FOR KK AREA . | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-01-01-0017 | THREE FULL ELECTRONIC DIGITAL PRIVATE AUTOMATIC EXCHANGE (PABX) . | | |
| 08-13-01-01-0018 | <u>VARIOUS TYPES, SIZE OF VALVES FOR OIL & GAS PIPELINES:-</u> - EMERGENCY SHUTDOWN VALVES - UNDERGROUND STORAGE VALVES - WEDGE GATE, SWING CHECK VALVE DEFERENT CLASSES - CHECK VALVE - GLOBE VALVE | | |
| 08-13-01-01-0019 | <u>VARIOUS FITTINGS FOR OIL PRODUCTION FACILITIES:</u> - FLANGES - ELBOWS | | |
| 08-13-01-01-0020 | COMBINATION WOODWORKING MACHINE . | | |
| 08-13-01-01-0021 | BENCH BAND SAW MACHINE 12" THROAT . | | |
| 08-13-01-01-0022 | TEMP. SWITCH 60 –220F . | | |
| 08-13-01-01-0023 | DIFFERENT PRESSURE SWITCHES . | | |
| 08-13-01-01-0024 | TRANSFORMER 33/3.3 KV, CAPACITY 1500 KVA . | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

**PROJECT -01-02 : REHABILITATION/REVAMPING OF
EXISTING INSTALLATION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-02-0030 | SUPPLY OF LUBE OIL COOLER FOR SOLAR GAS TURBINE OF AB/6 . | | |
| 08-13-01-02-0031 | SUPPLY OF DIFFERENT EQUIPMENT & SPARE PARTS AT WATER INJECTION PLANT. | | |
| 08-13-01-02-0032 | SPECIALIZED CENTRE FOR RESERVOIR STUDIES (BAGHDAD+KIRKUK) . | | |
| 08-13-01-02-0033 | PORTABLE STEAM BOILER . | | |
| 08-13-01-02-0034 | SUPPLY OF PUMPS FOR PROCESS PLANT . | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS/DRILLING

PROJECT -01-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-03-0040 | CEMENTING UNITS TRUCK MOUNTED W/ SPARE PARTS . | | |
| 08-13-01-03-0041 | AIR COMPRESSORS FOR CEMENTING OPERATIONS W/ SPARE PARTS . | | |
| 08-13-01-03-0042 | SPARE PARTS FOR CEMENTING UNITS & TYRES | | |
| 08-13-01-03-0043 | OIL WELL CEMENT AND ADDITIVES . | | |
| 08-13-01-03-0044 | ACCESSORIES FOR EXISTING WELL HEAD & X-MASS TREE . | | |
| 08-13-01-03-0045 | CEMENTING SERVICES CONTRACT (TURNKEY) . | | |
| 08-13-01-03-0046 | COILED TUBING & NITROGEN GENERATION UNITS . | | |
| 08-13-01-03-0047 | MATERIALS & EQUIPMENTS FOR DEVELOPMENT OF ARTIFICIAL LIFT SYSTEM (GAS LIFT IN KIRKUK OIL FIELD) . | | |
| 08-13-01-03-0048 | DRILLING SERVICES CONTRACT (TURNKEY) IN NOC FIELDS . | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-01-04-0055 | <u>FIRE FIGHTING TRUCKS & SAFETY EQUIPMENTS :-</u> - TWIN AGENT(850/1000 F.F) TRUCK - UNIVERSAL F.F. TRUCK (WATER, FOAM, POWDER) - WATER F.F. TRUCK - FOAM TRUCK - VAC-ALL TRUCK - AMBULANCE - AIR LINE BREATHING EQUIPMENT WITH AIR COMPRESSOR - SLUDGE PUMP - MOBILE WORK SHOP TRUCK - ELECTRIC F.F. PUMP ON SKID - DIESEL F.F. PUMP ON SKID - POWDER A, B,C - FLOROPROTEN FOAM - DELIVERY HOSE 2.5" - EXTINGUISHER 12KG POWDER - WELLED EXTINGUISHER 50KG POWDER - EXTINGUISHER 6KG CO2 | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-01-04-0056 | <ul style="list-style-type: none">- HYDRANT 2.5"- COVER ALL FIREMEN SUITS- FIRE BRIGADE SAFETY BOOTS-GEAR BOX FOR ROSENBAUER F.F. TRUCK (WATER PUMP)- HELMET WITH VISOR- <u>S.P. FOR GAS DETECTOR APPARATUS TYPE MX21-PLUS & EX2000:-</u>- BATTERIES- SENSORS | | |
| 08-13-01-04-0057 | <u>SPARE PARTS FOR OIL PRODUCTION FACILITIES:-</u> <ul style="list-style-type: none">- SPARES FOR SUCKER ROD CRUDE OIL- SPARES FOR CENTRIFUGAL PUMPS- SPARES FOR GEAR BOX | | |

MINISTRY OF OIL

SHEET NO.: 8 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-05-0065 | FORK LIFT 5 TON , ELEVATION (4 -5 METER) WITH SPARE PARTS . | | |
| 08-13-01-05-0066 | CEMENT TRANSPORT SILOS WITH TRACTIVE UNIT AND SPARE PARTS . | | |
| 08-13-01-05-0067 | BUS (25) SEATER , DIESEL ENGINE (145) H.P WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0068 | BUS (45) SEATER , DIESEL ENGINE (225-250) H.P WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0069 | LORRY WITH CRANE (10 TON) 6X4 DIESEL ENGINE (300) H.P WITH REC . SPARE. PARTS . | | |
| 08-13-01-05-0070 | TIP TRUCK (12) M3, 6X4 DIESEL ENGINE (300) H.P WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0071 | LORRY (10 TON) , 6X4 DIESEL ENGINE (300) H.P, WITH SPARE PARTS. | | |
| 08-13-01-05-0072 | WATER TANK TRUCK,6X4DIESEL ENGINE,H.P(325), TANK CAPACITY (16000) LIT .WITH REC .SPARE PARTS. | | |
| 08-13-01-05-0073 | FUEL TANK TRUCK, 6X4, H.P (300), TANK CAPACITY (12000) LIT. WITH RECOMMENDED SPARE PARTS . | | |

MINISTRY OF OIL

SHEET NO.: 9 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-05-0074 | INDUSTRIAL AIR CONDITIONING SPARE PARTS & EQUIPMENT FOR MAINTENANCE . | | |
| 08-13-01-05-0075 | TRUCK , 6X4, H.P (350) WITH FUEL TANK TRAILER CAPACITY (36000) LIT. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0076 | CEMENT MIXER (10M3) CAPACITY 6X4 , DIESEL ENGINE H.P(300) WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0077 | TRUCK 6X4 DIESEL ENGINE H.P(350-400) WITH LOW BED TRAILER (50) TON WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0078 | TRUCK 6X4 DIESEL ENGINE H.P(350-400) WITH LOW BED TRAILER (70) TON WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0079 | TRUCK 6X4 DIESEL ENGINE H.P(300)WITH EXTENDIBLE PIPE CARRIER SEMI TRAILER CAPACITY(30) TON. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0080 | MOBILE LUBRICATING UNIT 4X2, DIESEL ENGINE, H.P (250) WITH REC. SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 10 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-05-0081 | RECOVERY VEHICLES , DIESEL ENGINE(350) H.P , 6X4, WITH REC SPARE PARTS. | | |
| 08-13-01-05-0082 | CEMENT SILO CAPACITY (40) TON ,WITH TRAILER 6X4,DIESEL ENGINE (325) H.P WITH RECOMMENDED SPARE PARTS | | |
| 08-13-01-05-0083 | TIRES WITH TUBE AND FLAPS . | | |
| 08-13-01-05-0084 | CRAWLER EXCAVATOR DIESEL ENGINE (170 H.P) WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0085 | WHEEL EXCAVATOR DIESEL ENGINE (110 H.P) WITH RECOMMENDED . SPARE PARTS . | | |
| 08-13-01-05-0086 | HYDRAULIC WHEEL LOADER (2.5M3) DIESEL ENGINE (180) H.P. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0087 | GRADER DIESEL ENGINE (180) H.P. WITH RECOMMENDED SPARE PARTS | | |
| 08-13-01-05-0088 | BULLDOZER DIESEL ENGINE (240) H.P. WITH RECOMMENDED SPARE PARTS | | |
| 08-13-01-05-0089 | MOBILE HYDRAULIC CRANE (20) TON DIESEL ENGINE (240) H.P. WITH RECOMMENDED SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 11 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-05-0090 | MOBILE HYDRAULIC CRANE (30) TON DIESEL ENGINE (300) H.P. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0091 | MOBILE HYDRAULIC CRANE (50) TON DIESEL ENGINE (320) H.P. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0092 | MOBILE HYDRAULIC CRANE (75) TON DIESEL ENGINE (320) H.P. WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0093 | FORK LIFT (5 TON) DIESEL ENGINE (60) H.P. WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0094 | FORKLIFT (10 TON) DIESEL ENGINE (70) H.P. WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0095 | SHEEP DOOT ROLLER DIESEL ENGINE (200) H.P. WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0096 | VIBRATORY TANDEM, STEEL TIRED ROLLER MAX. WEIGHT (12000)KG. SPEED 6KM/HR, WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0097 | BACKHOE HYDRAULIC SHOVEL DIESEL ENGINE (90) H.P WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0098 | ASPHALT SPRAYING TANK TRUCK, 6X4 , DIESEL ENGINE (300) H.P . WITH RECOMMENDED SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 12 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-05-0099 | TANKER FOR TRANSPORTING ASPHALT (20 TON) CAP.,6X4, WITH TRUCK, DIESEL ENGINE (300) H.P., WITH TWO HEATERS, WITH REC, SPARE PARTS. | | |
| 08-13-01-05-0100 | CESSPIT EMPTIER DIESEL ENGINE (250) H.P . WITH REC. SPARE PARTS. | | |
| 08-13-01-05-0101 | CRAWLER EXCAVATOR WITH AUXILIARY HAMMER, DIESEL ENGINE (170) H.P . WITH REC . SPARE . PARTS. | | |
| 08-13-01-05-0102 | SPARE PARTS FOR TRUCKS & HEAVY EQUIPMENTS. | | |
| 08-13-01-05-0103 | STATIONARY LUBRICATING UNIT WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0104 | WORKSHOP EQUIPMENTS WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0105 | AIR COMPRESSOR. TWO STAGE AUTO 7.5 KW,3 PHASE , 380 V, 50 HZ, WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0106 | AIR COMPRESSOR WITH COMPLETE AIR DRAYING UNIT | | |
| 08-13-01-05-0107 | BACKHOE LOADER WITH RECOMMENDED SPARE PARTS . | | |

MINISTRY OF OIL

SHEET NO.: 13 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -01-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-01-05-0108 | TRACTOR WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0109 | VARIOUS TYPES OF PUMPS - SUBMERSIBLE PUMPS - ELECTRICAL PUMPS - WATER PUMPS - CRUDE OIL PUMPS - PUMP FOR THE TURBINE GAS | | |
| 08-13-01-05-0110 | GULLY EMPTIER TRUCK WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0111 | CRUDE OIL P.D. METERS . | | |
| 08-13-01-05-0112 | RUBBER HOSE FOR CRUDE OIL LOADING & WATER | | |
| 08-13-01-05-0113 | DIESEL DUMPER WITH RECOMMENDED SPARE PARTS. | | |
| 08-13-01-05-0114 | JACK HAMMER WITH MOBILE AIR COMPRESSOR WITH RECOMMENDED SPARE PARTS . | | |
| 08-13-01-05-0115 | SPRAY PAINTING MACHINE WITH SINGLE OR 3PH . ELECTRIC MOTOR . | | |
| 08-13-01-05-0116 | DEAD WEIGHT TESTER 0-40 BAR . | | |

MINISTRY OF OIL

SHEET NO.: 14 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-06-0125 | GEOLOGICAL LABORATORY INSTRUMENTS AND EQUIPMENT COMPLETE WITH SPARES AND ACCESSORIES . | | |
| 08-13-01-06-0126 | SKID MOUNTED FIELD GEOLOGICAL LAB. SLEEPER CARAVAN WITH EQUIPMENT . | | |
| 08-13-01-06-0127 | WIRE LINE INSTRUMENTS ,EQUIPMENT AND SPARES FOR FIELD MEASUREMENTS, WELL TESTING, AND COMPLETION OPERATION . | | |
| 08-13-01-06-0128 | FORMATION TESTING TOOLS WITH SPARE PARTS FOR 3 YEARS OPERATIONS . | | |
| 08-13-01-06-0129 | SPARE PARTS FOR THE EXISTING JHONSTON FORMATION TESTING TOOLS . | | |
| 08-13-01-06-0130 | LAB EQUIPMENT DEVICES & MATERIAL FOR DIFFERENT TYPE OF TESTS (FOR CRUDE OIL, GAS, WATER & CORROSION). | | |
| 08-13-01-06-0131 | RESERVOIR STUDY FOR KIRKUK OIL FIELD . | | |
| 08-13-01-06-0132 | DEVICES FOR INSPECTION OF EQUIPMENTS | | |
| 08-13-01-06-0133 | RADIOGRAPHY'S EQUIPMENTS OF DEVICES . | | |

MINISTRY OF OIL

SHEET NO.: 15 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ALLAN & SARGON FIELDS

**PROJECT -01-07 : DEVELOPMENT PROJECT/ALLAN &
SARGON FIELDS PROJECT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-07-0140 | <u>DEVELOPMENT OF ALLAN & SARGON FIELDS INCLUDING:-</u> DRILLING , THREE PHASE SEPARATORS RECEIVING STATION FLOW LINES & WELL HEAD EQUIPMENTS TRUNK LINE . | | |

LOCATION : KIRKUK FIELD

**PROJECT -01-08 : DEVELOPMENT PROJECT/WELL HEAD
CONNECTIONS PROJECT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-08-0143 | WELL HEAD CONNECTIONS & FLOW LINES VARIOUS SIZES(3 - 12) INCHES, VALVES & FLANGES, PIPE FITTINGS. | | |

MINISTRY OF OIL

SHEET NO.: 16 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : ESMAEEL & KARACHOK FIELD

**PROJECT -01-09 : DEVELOPMENT PROJECT/ESMAEEL &
KARACHOK FIELD**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-01-09-0147 | DEVELOPMENT OF ESMAEEL & KARACHOK FIELD INCLUDING :- DRILLING ,THREE PHASE SEPARATORS, FLOW LINES & WELL HEAD EQUIPMENT, TRUCK LINES, VALVES & FITTINGS | | |

LOCATION : EASTERN FIELD

PROJECT -01-10 : DEVELOPMENT PROJECT/EASTERN FIELD

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-10-0150 | DEVELOPMENT OF EASTERN FIELD INCLUDING: DRILLING, FIELD SEPARATORS, FLOW LINES WELL HEAD EQUIPMENT, TRUNK LINES, GAS GATHERING & PROCESSING SYSTEM | | |

MINISTRY OF OIL

SHEET NO.: 17 OF 17

ESTABLISHMENT NAME : NORTH OIL COMPANY

LOCATION : HAMRIN FIELD PROJECT

**PROJECT -01-11 : DEVELOPMENT PROJECT/HAMRIN FIELD
PROJECT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-01-11-0153 | <u>DEVELOPMENT OF HAMRIN FIELD INCLUDING:</u> | | |
| | ARTIFICIAL LIFTING , SURFACE FACILITIES AND ASSORTED PIPES . | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : WORKSHOP BAB AL-ZUBAIR

PROJECT -02-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-02-01-0170 | COMPLETE WORKSHOP EQUIPMENT WITH ACCESSORIES | | |

LOCATION : ALL AREAS

PROJECT -02-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-----------------|--|-----|------|
| 08-13-02-01-173 | ELECTRICAL SYSTEMS & ACCESSORIES | | |
| 08-13-02-01-174 | REVERSE OSMOSIS UNITS FOR DRINKING WATER WITH SPARE PARTS. | | |
| 08-13-02-01-175 | DEMULSIFIER FOR CRUDE OIL TREATMENT | | |
| 08-13-02-01-176 | SALT ANALYSIS EQUIPMENT | | |
| 08-13-02-01-177 | TRI ETHYLENE GLYCOL FOR GAS TREATMENT | | |
| 08-13-02-01-178 | SPARE - PARTS FOR TURBO-PUMPS AND GENERATORS | | |
| 08-13-02-01-179 | VALVES | | |
| 08-13-02-01-180 | VALVES FOR DEGASSING AND GAS COMPRESSOR STATION | | |
| 08-13-02-01-181 | PUMPS | | |
| 08-13-02-01-182 | PIPE FITTINGS | | |
| 08-13-02-01-183 | COATING MATERIAL | | |
| 08-13-02-01-184 | VALVES (GATE, BALL, CHECK) OF DIFFERENT SIZES FROM (1/2 TO 48) AND DIFFERENT CLASS RANGING (150 TO 2500) | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -02-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-02-01-0185 | PIPE FITTINGS INCLUDING FLANGES, ELBOWS, WOLDOLETS, REDUCERS, COUPLING, BOSSES) OF DIFFERENT THICKNESS | | |
| 08-13-02-01-0186 | PIPE OF DIFFERENT SIZES AND SCHEDULES | | |
| 08-13-02-01-0187 | STEEL SECTION OF DIFFERENT SHAPES AND SIZES, ELECTRICAL FITTING GALVANIZED STEEL SHEETS, VENTILATORS AND ACCESSORIES | | |
| 08-13-02-01-0188 | RAW WATER PUMPS FOR NAHER BEN UMER D.S | | |
| 08-13-02-01-0189 | CONTROL SYSTEM CONSISTING, VALVE , GAUGES, TRANSMITTERS, SWITCHES, FOR SOUTH RUMALLA COMPRESSION STATION | | |
| 08-13-02-01-0190 | CONTROL SYSTEM FOR SHAMALYAMISHRIF AND QURAIN T MISHRIF DEGASSING STATION | | |
| 08-13-02-01-0191 | WATER TREATMENT FOR NUHAR BEN UMER STATION WITH NET CAPACITY 300 M3 | | |
| 08-13-02-01-0192 | CONTROL SYSTEM DEHYDRATION / DESALTING SYSTEM | | |
| 08-13-02-01-0193 | PORTABLE LIGHTING TOWER (7 KVA) | | |
| 08-13-02-01-0194 | PORTABLE CARAVANS WITH TWO ROOMS | | |
| 08-13-02-01-0195 | BAD OIL TANKS | | |
| 08-13-02-01-0196 | HYDROSTATIC TEST PUMPS | | |
| 08-13-02-01-0197 | MECHANICAL TOOLS & EQUIPMENT | | |
| 08-13-02-01-0198 | EQUIPMENTS AND MATERIALS FOR CATHODIC PROTECTION | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

**LOCATION : MISSAN OIL FIELDS, OIL STORAGE, DEGASSING
STATION**

PROJECT -02-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-02-01-0203 | SPARE PARTS FOR CRUDE OIL HEATERS (ELECTRICAL , INSTRUMENTATION) | | |

LOCATION : SOUTH RUMAILA

**PROJECT -02-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-02-0206 | SERVICE CONTRACT FOR REFURBISHMENT OF TURBO COMPRESSORS | | |

LOCATION : ALL AREAS

**PROJECT -02-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-02-0210 | METERING SYSTEMS FOR PS1 & TUBA & ZUBAIR AREAS | | |
| 08-13-02-02-0211 | MAIN DRIVES & PUMPING UNITS & SPARES FOR ALL AREAS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

**PROJECT -02-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-03-0215 | NITROGEN PUMPING UNIT WITH S/P AND ACC. | | |
| 08-13-02-03-0216 | CASING, CASING ACC. AND SOFTWARE | | |
| 08-13-02-03-0217 | WELL HEAD & ACC. FOR COMPLETION AND WORKOVER | | |
| 08-13-02-03-0218 | FISHING & SURVEY TOOLS | | |
| 08-13-02-03-0219 | TUBING OF DIFFERENT SIZES | | |
| 08-13-02-03-0220 | CHEMICAL ADDITIVES FOR CEMENTING, ACIDIZING & DRILLING FLUIDS | | |
| 08-13-02-03-0221 | VALVES & ACC. FOR WELL HEAD | | |
| 08-13-02-03-0222 | CEMENTING HEADS WITH S/P & ACC. | | |
| 08-13-02-03-0223 | TECHNICAL ASSISTANCE TO OPERATE COILED TUBING UNIT (S.C) | | |
| 08-13-02-03-0224 | DRILLING AND COMPLETION OF (16) VERTICAL WELLS IN DIFFERENT FIELDS | | |
| 08-13-02-03-0225 | SERVICE CONTRACT FOR WELL LOGGING AND PERFORATIONS | | |
| 08-13-02-03-0226 | S/P AND ACC. FOR WATER INJECTION PUMPING UNITS | | |
| 08-13-02-03-0227 | S/P AND ACC. FOR OIL WELL CEMENTING & ACIDIZING PUMPING UNITS | | |
| 08-13-02-03-0228 | S/P FOR DRILL STEM TEST TOOLS | | |
| 08-13-02-03-0229 | S/P & ACC. FOR STORAGE TANK OF CEMENT, ACID & DRILLING FLUIDS | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : SOUTH RUMAILA

PROJECT -02-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-03-0233 | COMPLETE TURBO PUMPING UNITS & ACCESSORIES | | |

LOCATION : WATER TREATMENT & CLUSTER STATION

PROJECT -02-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|----------------------------------|------------|-------------|
| 08-13-02-03-0235 | COMPLETE MOTORISED PUMPING UNITS | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

**LOCATION : MISSAN OIL FIELDS, OIL STORAGE, DEGASSING
STATION**

**PROJECT -02-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-03-0240 | DEGASSING STATION OF ONE BANK WITH CAPACITY OF 60000 B / DAY | | |
| 08-13-02-03-0241 | CRUDE OIL STORAGE TANK CAPACITY 10 THOUSAND M3 FIXED ROOF | | |
| 08-13-02-03-0242 | WASH TANK OF 11000 M3 | | |

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 |
|-------------------------|---|------------|-------------|
| 08-13-02-03-0245 | - STORAGE TANKS CAPACITY (58) THOUSAND M3 COMPLETE WITH ALL ANCILLARY SYSTEMS (FIRE FIGHTING CATHODIC PROTECTION, LEVEL MEASUREMENT & INSTRUMENTATION, SEALS, EXTERNAL LIGHTING SYSTEM, PAINTS, CONSTRUCTION MATERIALS & CONSUMABLES) | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -02-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-04-0249 | FIRE FIGHTING CHEMICALS | | |
| 08-13-02-04-0250 | SPARE PARTS FOR FIRE FIGHTING EQUIPMENT | | |

**LOCATION : MISSAN OIL FIELDS, OIL STORAGE, DEGASSING
STATION**

PROJECT -02-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-02-04-0253 | FIRE FIGHTING WATER TANK CAPACITY OF 2000 M3 | | |

MINISTRY OF OIL

SHEET NO.: 8 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

PROJECT -02-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-02-05-0256 | ELECTRIC GENERATORS (150 KVA) | | |
| 08-13-02-05-0257 | ELECTRIC GENERATORS (250 KVA) | | |
| 08-13-02-05-0258 | SEUARING CIRCULAR SAW WITH TILTING BLADE & SCORING UNIT COMPLETE RANGE OF WOOD WORKING MACHINERIES, BLADE DIA 400-500 MM MAX BLADE TILTING 95 BLADE SHAFT SPEEDS 3000 R.P.M | | |
| 08-13-02-05-0259 | PORTABLE GENERATOR MACHINE WITH LIGHTING TOWER | | |
| 08-13-02-05-0260 | VACULIFT | | |
| 08-13-02-05-0261 | ROTARY EXCAVATOR (TRACK TYPE) FOR PIPELINE | | |
| 08-13-02-05-0262 | SELF LOADING CONCRETE MIXER CONCRETE MIXING IN ALL GROUND CONDITIONS WITH CHUTE DISCHARGE THROUGH 240 WITHOUT LOOSING THE CENTRE OF GRAVITY MIXING CAPACITY 1000 LITTER | | |
| 08-13-02-05-0263 | CONCRETE PUMPS WITH TRUCK | | |
| 08-13-02-05-0264 | SPARE PARTS FOR LIGHT AND HEAVY TRUCKS | | |
| 08-13-02-05-0265 | WORK SHOP EQUIPMENTS AND TOOLS | | |
| 08-13-02-05-0266 | ARMOURED VAN FOR SECURITY OF TRANSPORTATION OF DELIVERIES | | |

MINISTRY OF OIL

SHEET NO.: 9 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-02-06-0270 | LABORATORIES EQUIPMENTS | | |
| 08-13-02-06-0271 | PRJ. OF INTERNAL INSPECTION OF PIPELINES (SERVICE CONTRACT) | | |
| 08-13-02-06-0272 | EQUIPMENTS AND MATERIALS OF ENGINEERING INSPECTION | | |

LOCATION : NASRIYA OIL FIELD

PROJECT -02-07 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-02-07-0275 | PRODUCTION-DEGASSING BANK OF 50,000 B/D CAPACITY | | |
| 08-13-02-07-0276 | TRUNK LINE 24" DIAM. | | |
| 08-13-02-07-0277 | FLOW TANKS 10000 M3 CAPACITY | | |
| 08-13-02-07-0278 | FIRE FIGHTING SYSTEM , AIR SYSTEM | | |
| 08-13-02-07-0279 | PUMPING STATION | | |
| 08-13-02-07-0280 | OTHER ACCESSORIES | | |

LOCATION : RUMAILA/NAJAF

PROJECT -02-8 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------------|---|------------|-------------|
| 08-13-02-8-0283 | A NEW GAS PIPELINE, DIA 24 IN. LENGTH 400 KM. FROM NORTH RUMAILA TO PS3 | | |

MINISTRY OF OIL

SHEET NO.: 10 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : SUBA OIL FIELD

PROJECT -02-09 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-02-09-0285 | CRUDE OIL DEGASSING PRODUCTION BANK WITH WET CRUDE TREATMENT UNIT (DEHYDRATION & DESALTING) 40000 B/D | | |
| 08-13-02-09-0286 | FLOW TANKS (5000 M3) CAPACITY | | |
| 08-13-02-09-0287 | PUMPING STATION | | |
| 08-13-02-09-0288 | TRUNK LINE 24" DIAM. | | |

LOCATION : ZUBAIR OIL FIELD

PROJECT -02-10 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-02-10-0293 | CRUDE OIL DEGASSING BANK WITH DEHYDRATION & DESALTING UNIT THE PRODUCTION OF 40000 B/D FOR ZUBAIR MISHRIF & HAMMAR MISHRIF STATIONS. | | |
| 08-13-02-10-0294 | FLOW TANKS 10000 M3 CAPACITY | | |
| 08-13-02-10-0295 | FIRE FIGHTING SYSTEM , AIR SYSTEM | | |
| 08-13-02-10-0296 | PUMPS | | |
| 08-13-02-10-0297 | OTHER ACCESSORIES | | |

LOCATION : MISSAN

PROJECT -02-11 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-02-11-0300 | BASIC DESIGN PACKAGE FOR THE UTILISATION OF MISSAN OIL FIELDS GAS. | | |

MINISTRY OF OIL

SHEET NO.: 11 OF 11

ESTABLISHMENT NAME : SOUTH OIL COMPANY

LOCATION : WEST QURNA

PROJECT -02-12 : DEVELOPMENT PROJECT /CGS9

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-02-12-0303 | CRUDE OIL-DEGASSING BANK TOGETHER WITH WET CRUDE DEHYDRATION & DESALTING UNIT OF 50,000 B/D CAPACITY. | | |
| 08-13-02-12-0304 | FLOW TANKS 5000 M3 CAPACITY. | | |
| 08-13-02-12-0305 | PUMPING STATION | | |
| 08-13-02-12-0306 | TRUNK LINE (40") DIAM . | | |
| 08-13-02-12-0307 | OTHER ACCESSORIES | | |
| 08-13-02-12-0308 | CONTROL - TELECOMMUNICATION SYSTEM | | |
| 08-13-02-12-0309 | FIRE FIGHTING SYSTEM | | |
| 08-13-02-12-0310 | COMPRESSED AIR SYSTEM | | |
| 08-13-02-12-0311 | R.O. UNIT | | |

LOCATION : WEST QURNA

PROJECT -02-13 : DEVELOPMENT PROJECT/WATER INJECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-02-13-0315 | COMPLETION & SUPPLY OF MISSING ITEMS FOR GRAVITY FILTERS INCLUDING PLASTIC NOZZLES, PIPES & FITTINGS, MOVES, INSTRUMENTATION, ELECTRICAL MISCELLANEOUS, CRANES.... ETC WITH SUPERVISION (20 LOTS) | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 2

ESTABLISHMENT NAME : IRAQ DRILLING CO.

LOCATION : BASRAH AND KIRKUK

PROJECT -03-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-03-01-0330 | SPARE PARTS FOR DRILLING & WORK OVER RIGS | | |
| 08-13-03-01-0331 | EQUIPMENT FOR DRILLING & WORK OVER RIGS | | |
| 08-13-03-01-0332 | WORKSHOP EQUIPMENT & HAND TOOLS | | |
| 08-13-03-01-0333 | DRILLING CAMP & FURNITURE | | |
| 08-13-03-01-0334 | REHABILITATION OF OIL FIELD TRUCK KENWORTH | | |

LOCATION : BASRAH AND KIRKUK

PROJECT -03-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-03-03-0339 | DRILLING & WORK OVER RIG COMPLETE WITH ALL ACCESSORIES AND SPARE PARTS | | |
| 08-13-03-03-0340 | WATER WELL RIGS | | |

LOCATION : BASRAH AND KIRKUK

PROJECT -03-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|----------------------------------|-----|------|
| 08-13-03-04-0343 | SAFETY & FIRE FIGHTING EQUIPMENT | | |
| 08-13-03-04-0344 | INSPECTION EQUIPMENT | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 2

ESTABLISHMENT NAME : IRAQ DRILLING CO.

LOCATION : BASRAH AND KIRKUK

PROJECT -03-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-03-05-0350 | SPARE PARTS FOR HEAVY VEHICLE & EQUIPMENT . | | |
| 08-13-03-05-0351 | HYDRAULIC TRUCK CRANE (20T) . | | |
| 08-13-03-05-0352 | KENWORTH TRUCK | | |
| 08-13-03-05-0353 | SPECIAL CREW CUP FOR RIGS LOCATIONS | | |
| 08-13-03-05-0354 | SPECIAL BUS FOR DRILLING CREW | | |
| 08-13-03-05-0355 | RECOVERY TRUCK FOR HEAVY VEHICLES | | |
| 08-13-03-05-0356 | RECOVERY TRUCK FOR LIGHT VEHICLES | | |
| 08-13-03-05-0357 | AMBULANCE | | |
| 08-13-03-05-0358 | FRESH WATER TANKER (12) M3 | | |
| 08-13-03-05-0359 | TRACTIVE UNIT WITH LOW BED TRAILER FOR RIG MOVEMENT (25T) | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 4

ESTABLISHMENT NAME : STATE COMPANY FR OIL PROJECT

LOCATION : ALL AREAS

PROJECT -04-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-04-01-1200 | INTERNATIONAL ENGINEERING STANDARD FOR ALL ENGINEERING DISCIPLINES | | |
| 08-13-04-01-1201 | LINE PIPE, VALVES & FITTINGS OF DIFFERENT SIZE AND CLASSES. | | |
| 08-13-04-01-1202 | WELDING ELECTRODES | | |
| 08-13-04-01-1203 | H.P TEST PUMP WITH SPARE PARTS & ACCESSORIES | | |
| 08-13-04-01-1204 | STEEL WIRE ROPE, DIFFERENT SIZES (12MM,,50MM)DIA./IN ROLLS WITH SHACKLES & CLAMPS. | | |
| 08-13-04-01-1205 | REINFORCED, DEPRESSED CENTER, GRINDING DISC, (7,5/8)IN. DIA. A BORE-HOLE, 2.5MM, 3.5MM, & 6MM THK. | | |
| 08-13-04-01-1206 | FLAT & CUP KNURLED WOVEN STEEL WIRE BRUSH, 5/8 IN. NPT CENTER NUT, 4 1/2 IN. & 6 IN. DIA. | | |
| 08-13-04-01-1207 | PLATE CLAMPS (3M X 8M) FOR HORIZONTAL & VERTICAL PLATE HANDLING FOR TANK ERECTION. | | |
| 08-13-04-01-1208 | PIPE LINE EXTERNAL WELDING CLAMPS (6-12) , (14-24) & (26-48) IN. OD. | | |
| 08-13-04-01-1209 | PIPE LINE INTERNAL, SELF PROPELLED, PNEUMATIC, WELDING CLAMPS (24, 28, 30, 36, 40, 42 & 48) IN. OD. | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 4

ESTABLISHMENT NAME : STATE COMPANY FR OIL PROJECT

LOCATION : ALL AREAS

PROJECT -04-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-04-05-1215 | MANUAL PIPE BEVELING OXY-ACTY. (PROPANE) M/C. W/BAND OR CHAIN | | |
| 08-13-04-05-1216 | OXY-ACTY. (PROPANE) CUTTING /WELDING SET. C/W ACCESSORIES. | | |
| 08-13-04-05-1217 | PORTABLE OXY-ACTY (PROPANE), LINEAR CUTTING, ADJUSTABLE HEAD, ELECTRICAL, BEVELING M/C WITH 4 IN. WIDE GUIDE TRUCK RAIL. C/W ALL ACCESSORIES. | | |
| 08-13-04-05-1218 | ELECTRICAL, HEAVY DUTY ANGLE GRINDER, 5/8 IN. NPT THRDD. SPINDLE | | |
| 08-13-04-05-1219 | HOT & COLD / WATER & STEAM COMBINATION ENGINE WASHER | | |
| 08-13-04-05-1220 | PORTABLE LUBRICATORS, MOBILE TYPE | | |
| 08-13-04-05-1221 | WHEEL BALANCER | | |
| 08-13-04-05-1222 | FOUR - POST LIFT, DRIVE - ON TYPE, HYDRAULIC CAPACITY (6 TON) SUITABLE FOR CAR WASHING | | |
| 08-13-04-05-1223 | PORTABLE ELECTRIC GENERATOR, DIESEL DRIVEN (10 KV) | | |
| 08-13-04-05-1224 | AIR COMPRESSOR, SINGLE STAGE, AIR-COOLED, PRESSURE-SWITCH TYPE, ELECTRICAL DRIVEN, C/W RECEIVER VESSEL (500L), (8-10 BAR) (1500-2000 L/MIN.) | | |
| 08-13-04-05-1225 | SIDE BOOM PIPE LAYER WITH SPARE PARTS | | |
| 08-13-04-05-1226 | TWIN ARC TRACTOR - 4 WELDERS C/W WITH ALL ACCESSORIES FOR PIPE LINES CONST. WITH SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 4

ESTABLISHMENT NAME : STATE COMPANY FR OIL PROJECT

LOCATION : ALL AREAS

PROJECT -04-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-04-05-1227 | MOBILE HYDRAULIC CRANE (30-40) TON | | |
| 08-13-04-05-1228 | WHEEL LOADER 3M³ WITH SPARE PARTS | | |
| 08-13-04-05-1229 | CRAWLER EXCAVATOR (1) M³ WITH SPARE PARTS | | |
| 08-13-04-05-1230 | FUEL TANKER (10) M³ WITH SPARE PARTS | | |
| 08-13-04-05-1231 | WATER TANKER (10) M³ WITH SPARE PARTS | | |
| 08-13-04-05-1232 | DUMP TRUCK (12) M³ WITH SPARE PARTS | | |
| 08-13-04-05-1233 | TRUCK TRACTOR 6X4 (300 HP) WITH SPARE PARTS (TRAILER) | | |
| 08-13-04-05-1234 | FLAT BED SEMI - TRAILER 35 TON WITH PARE PARTS | | |
| 08-13-04-05-1235 | LOW BED SEMI - TRAILER 35 TON WITH PARE PARTS | | |
| 08-13-04-05-1236 | 500 AMP. DIESEL ENGINE DRIVEN WELDING M/C WITH SPARE PARTS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 4

ESTABLISHMENT NAME : STATE COMPANY FR OIL PROJECT

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-04-06-1245 | TECHNICAL SERVICES CONTRACT, COVERING EXPERT SERVICES FOR ENGINEERING & DESIGN ACTIVITIES (ALL DISCIPLINES) | | |
| 08-13-04-06-1246 | DESIGN & ENGINEERING SOFTWARE | | |
| 08-13-04-06-1247 | X-RAY EQUIPMENT | | |
| 08-13-04-06-1248 | ACCESSORIES FOR X-RAY ACTIVITIES:- X-RAY FILMS. (AGFA D4 OR EQUIV.) X-RAY FILMS. (AGFA D7 OR EQUIV.) PROCESSING CHEMICAL (DEVELOPER) PROCESSING CHEMICAL (FIXER) | | |
| 08-13-04-06-1249 | INSPECTION DEVICE DYE PENETRANT AEROSOL KIT WELD STEAM VACUUM TESTING DEVICES 180° & 90° POCKET DECIMETER PENTAMETER EF 10/6 PENTAMETER EF 6/12 MULTI-CHECK WELD GAUGE | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 4

ESTABLISHMENT NAME : OIL EXPLORATION CO.

LOCATION : ALL AREAS

PROJECT -05-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-05-01-0370 | GEOPHYSICAL LAND CABLES, 12 PAIRS, 2TAKE-OUT, 55 METERS SPACING 150 METERS TOTAL LENGTH TERMINATED WITH TERRACON 254 CABLE CONNECTORS | | |
| 08-13-05-01-0371 | CABLE CONNECTOR TYPE TERRACON-254 FOR GEOPHYSICAL LAND CABLES | | |
| 08-13-05-01-0372 | SPARE PARTS FOR VEHICLES | | |
| 08-13-05-01-0373 | SPARE PARTS FOR ARDCO BUGGY 6X6 | | |
| 08-13-05-01-0374 | SPARE PARTS FOR ARDCO DRILLING MACHINE | | |
| 08-13-05-01-0375 | SPARE PARTS FOR MAN P373 WORKSHOP | | |
| 08-13-05-01-0376 | SPARE PARTS FOR VIBRATORS | | |
| 08-13-05-01-0377 | SPARE PARTS FOR GENERATORS | | |
| 08-13-05-01-0378 | SPARE PARTS FOR IVECO VEHICLES | | |
| 08-13-05-01-0379 | SPARE PARTS FOR DRILLING RIGS | | |
| 08-13-05-01-0380 | SPARE PARTS FOR DIESEL GENERATOR (NIPPON-SHARIO HENO) | | |
| 08-13-05-01-0381 | SPARE PARTS FOR H.V.SWITCH BOARDS DOUBLE BUS BARS | | |
| 08-13-05-01-0382 | SPARES PARTS FOR OIL -BLAST CIRCUIT-BREAKERS | | |
| 08-13-05-01-0383 | SPARE PARTS FOR OUT DOOR TRANSFORMER SUBSTATIONS | | |
| 08-13-05-01-0384 | SPARE PARTS FOR ROD-TYPE SWITCH-DISCONNECTORS | | |
| 08-13-05-01-0385 | SPARE PARTS & CONSUMABLES FOR VAX MAIN FRAME COMPUTER | | |
| 08-13-05-01-0386 | LOW TENSION POWER DISTRIBUTION BOARDS FOR OUT DOOR USE | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 4

ESTABLISHMENT NAME : OIL EXPLORATION CO.

LOCATION : ALL AREAS

PROJECT -05-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-05-03-0395 | WORK STATION FOR PREPLANNING, DESIGNING, DATA ANALYSIS OF 3D SEISMIC PROSPECTING WITH ONSITE 2D & 3D PROCESSING FACILITIES. | | |
| 08-13-05-03-0396 | 2D & 3D FIELD SEISMIC QUALITY CONTROL SYSTEM WITH UPDATED SOFTWARES | | |
| 08-13-05-03-0397 | DECODER FOR DFS-V RECORDING STATION. | | |
| 08-13-05-03-0398 | ENCODER FOR DFS-V RECORDING STATION. | | |
| 08-13-05-03-0399 | DRILLING OF FIVE WELLS TURN KEY SERVICE CONTRACT INCLUDING DRILLING, COMPLETION , OPERATION PROVISION OF ALL RELEVANT MATERIALS, LOGISTIC AND SERVICES | | |
| 08-13-05-03-0400 | TOTAL STATION (ELECTRONIC THEODOLITES) WITH ALL ACCESSORISE | | |
| 08-13-05-03-0401 | DESTOMAT ACCESSORIES | | |

LOCATION : ALL AREAS

PROJECT -05-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---------------------------|-----|------|
| 08-13-05-04-0405 | SAFETY HELMETS | | |
| 08-13-05-04-0406 | SAND PROTECTION EYE GLASS | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 4

ESTABLISHMENT NAME : OIL EXPLORATION CO.

LOCATION : ALL AREAS

PROJECT -05-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-05-05-0410 | TYRES 22.5*16.5 WITH TUBE | | |
| 08-13-05-05-0411 | TYRES 1600*20 WITH TUBE | | |
| 08-13-05-05-0412 | CABLE CARGO TRUCK | | |
| 08-13-05-05-0413 | DRINKING WATER TANKER TRUCK UP TO 14000 LTR. | | |
| 08-13-05-05-0414 | BULLDOZER (D8) WITH SPARES. | | |
| 08-13-05-05-0415 | MECHANICAL WORKSHOP ON TRUCK. | | |
| 08-13-05-05-0416 | SHOVEL ON TYRES WITH SPARES. | | |
| 08-13-05-05-0417 | LOW LOADER | | |
| 08-13-05-05-0418 | GENERATOR FOR RECORDING STATION. | | |
| 08-13-05-05-0419 | FORK LIFT (3 - 5) TONS | | |
| 08-13-05-05-0420 | TURBO JET VEHICLE CAPACITY 9000 LITTER | | |
| 08-13-05-05-0421 | COMPLETE EQUIPPED CARAVANS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 4

ESTABLISHMENT NAME : OIL EXPLORATION CO.

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-05-06-0425 | HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC), FULLY INTEGRATED SYSTEM WITH COMPUTER AIDED DESIGN ESPECIALLY FOR SEPARATION SATURATED & AROMATIC HYDROCARBON FRACTION FROM WHOLE OIL. | | |
| 08-13-05-06-0426 | X-RAY SPECTROSCOPY SYSTEM (XRF) | | |
| 08-13-05-06-0427 | X-RAY POWDER DIFFRACTION SYSTEM (XRD) | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTINANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| | <u>INSTRUMENTATION AND CONTROL SYSTEMS WITH</u> <u>RECOMMENDED SPARE PARTS :</u> | | |
| 08-13-06-01-0451 | U.P.S SYSTEMS | | |
| 08-13-06-01-0452 | ANALYSERS | | |
| 08-13-06-01-0453 | TRANSMITTERS & CONTROLLERS | | |
| 08-13-06-01-0454 | CONTROL ROOM INSTRUMENTS | | |
| 08-13-06-01-0455 | CONTROL VALVE WITH SPARE PARTS | | |
| 08-13-06-01-0456 | CONTROL PANELS WITH ACCESSORIES | | |
| 08-13-06-01-0457 | PLC , DCS AND SCADA SYSTEMS | | |
| 08-13-06-01-0458 | PRESSURE & LEVEL GAUGES | | |
| 08-13-06-01-0459 | ANALYTICAL INSTRUMENTS : (PH METER, CONDUCTIVITY METER,) | | |
| 08-13-06-01-0460 | GOVERNORS AND SPEED INDICATORS | | |
| 08-13-06-01-0461 | TEMPERATURE MEASUREMENT | | |
| 08-13-06-01-0462 | FAN CONTROL & SOLENOID VALVE | | |
| 08-13-06-01-0463 | SPARE PARTS FOR EXISTING INSTRUMENTS | | |
| 08-13-06-01-0464 | CONTROL & INSTRUMENT MATERIALS | | |
| 08-13-06-01-0465 | INTERCOM UNITS WITH CENTRAL CONTROL | | |
| 08-13-06-01-0466 | CABLES | | |
| 08-13-06-01-0467 | AIR DRYER | | |
| 08-13-06-01-0468 | COMPLETE TELEPHONE EXCHANGE 1000 LINE WITH ALL ACCESSORIES | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--------------------------|-----|------|
| 08-13-06-01-0469 | COMPUTER PRINTING SHEETS | | |

| | | | |
|------------------|--|--|--|
| 08-13-06-01-0470 | CABLE TRAYS | | |
| 08-13-06-01-0471 | JUNCTION BOXES & GLANDS | | |
| 08-13-06-01-0472 | ELECTRONIC COMPONENTS | | |
| 08-13-06-01-0473 | P,D METER WITH ACCESSORIES | | |
| 08-13-06-01-0474 | COMPLETE A/E ARCHIVING SYSTEM | | |
| 08-13-06-01-0475 | BARE TUBE | | |
| 08-13-06-01-0476 | ALUMINIUM COIL | | |
| | <u>MECHANICAL EQUIPMENT :</u> | | |
| 08-13-06-01-0478 | MAINTENANCE TOOLS | | |
| 08-13-06-01-0479 | METAL (RAW MATERIALS) | | |
| 08-13-06-01-0480 | PIPES & TUBES VARIOUS SIZES | | |
| 08-13-06-01-0481 | FITTINGS | | |
| 08-13-06-01-0482 | VALVES, STRAINERS , FLANGES, WITH DIFFERENT SIZE & TYPES | | |
| 08-13-06-01-0483 | STEM TRAPS | | |
| 08-13-06-01-0484 | GASKETS | | |
| 08-13-06-01-0485 | BEARING, COUPLING , SPACERS , V- BELT. | | |
| 08-13-06-01-0486 | MECHANICAL SEALS WITH SPARES | | |
| 08-13-06-01-0487 | WELDING ELECTRODES | | |
| 08-13-06-01-0488 | SPARE PARTS FOR CRANE Cap. 120 TON | | |
| 08-13-06-01-0489 | GEAR BOX , FAN , MIXER ,BLADE. | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-06-01-0490 | TEST RING | | |
| 08-13-06-01-0491 | STUD BOLTS ,WASHER & NUTS. | | |
| 08-13-06-01-0492 | TUBES EXPANDERS | | |
| 08-13-06-01-0493 | REPAIR FOR COMPRESSORS, PUMPS, TURBINES | | |
| 08-13-06-01-0494 | SPARE PARTS FOR EXISTING MECHANICAL EQUIPMENT | | |
| 08-13-06-01-0495 | -COMPLETE UPPER AND LOWER DEMISTER ROTARY EQUIPMENT - (PUMP , COMPRESSORS , TURBINES) WITH SPARES -PIPE FITTING , TUBES. -PIPE OF DIFFERENT MATERIALS. | | |

| | | | |
|------------------|--|--|--|
| 08-13-06-01-0496 | HOSE VARIOUS TYPE & SIZE WITH ACCESSORIES . | | |
| 08-13-06-01-0497 | STEEL STRUCTURE | | |
| 08-13-06-01-0498 | <u>ELECTRICAL EQUIPMENT WITH RECOMMENDED SPARES :</u> FIELD CONTROL EQUIPMENT COMPLETE MOTORS WITH SPARE PARTS & ACCESSORIES COMPLETE ELECTRICAL HEATER WITH RECOMMENDED SPARE PARTS CHILLERS WITH SPARE PARTS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-01-0499 | RELAYS , FUSES & THERMO. RELAYS | | |
| 08-13-06-01-0500 | SPARE PARTS FOR SUBSTATION | | |
| 08-13-06-01-0501 | COMPLETE CIRCUIT BREAKERS WITH RECOMMENDED SPARE PARTS | | |
| 08-13-06-01-0502 | SPARE PARTS FOR EXISTING ELECTRICAL EQUIPMENT | | |
| 08-13-06-01-0503 | ELECTRICAL EQUIP. WITH RECOMMENDED SPARES | | |
| 08-13-06-01-0504 | HEATER & ANCILLARIES | | |
| 08-13-06-01-0505 | VARIOUS ELECTRICAL CABLES WITH ACCESSORIES | | |
| 08-13-06-01-0506 | SPARE PARTS FOR DESALTER | | |
| 08-13-06-01-0507 | SPARE PARTS FOR DIESEL GENERATORS | | |
| 08-13-06-01-0508 | CIRCUIT BREAKERS , CONTACTORS, POWER CENTRE SWITCH | | |
| 08-13-06-01-0509 | LIGHTING | | |
| 08-13-06-01-0510 | CONNECTORS & TERMINALS | | |
| 08-13-06-01-0511 | MOTOR STARTERS | | |
| 08-13-06-01-0512 | CURRENT TRANSFORMERS | | |
| 08-13-06-01-0513 | TRANSFORMERS WITH ACCESSORIES | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|---|-----|------|
| | <u>CHEMICALS , CATALYSTS & ADDITIVES :-</u> | | |

| | | | |
|-------------------------|---|--|--|
| 08-13-06-01-0514 | FURFURAL CATALYSTS VARIOUS TYPES CHEMICALS FOR PROCESS UNITS CHEMICALS FOR COOLING WATER CIRCULATION CHEMICALS FOR BOILER FEED WATER CAUSTIC SODA. TURBINE OIL POUR POINT DEPRESSION D.M.D.S. M E K D E A M E A P D C EMULSION BREAKER | | |
|-------------------------|---|--|--|

MINISTRY OF OIL

SHEET NO.:6 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|-----|------|
| 08-13-06-01-0515 | <u>ADDITIVES :</u> TETRA ETHYL LEAD (T.E.L) ADDITIVES FOR MOTOR ENGINE OILS ADDITIVES FOR DIESEL ENGINE OILS ADDITIVES FOR VISCOSITY INDEX IMPROVEMENT ADDITIVES FOR HYDRAULIC ADDITIVES FOR BAGHDAD OILS ADDITIVES FOR A.T.F. EMPTY CONTAINERS FOR HANDLING ADDITIVES | | |
| 08-13-06-01-0516 | CIVIL & CONSTRUCTION MATERIAL AND EQUIPMENT WITH SPARES | | |
| 08-13-06-01-0517 | SUBMERSIBLE PUMPS | | |
| 08-13-06-01-0518 | CERAMIC FIBBER BLANKET | | |
| 08-13-06-01-0519 | ROCK WOOL | | |
| 08-13-06-01-0520 | MECHANICAL ,ELECTRICAL INSTRUMENT SPARE PARTS FOR CANNING & DRUM PLANTS | | |

MINISTRY OF OIL

SHEET NO.:7 OF 21

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION :BAIJI

PROJECT 06-02 : REHABILITATION/REVAMPING OF
EXISTING

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

MINISTRY OF OIL

SHEET NO.: 7 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : ALL AREAS

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-01-0525 | ELECTRICAL SWITCHGEAR & CONTROL GEAR COMPONENTS & TOOLS USED FOR REHABILITATION & RECONSTRUCTION OF ELECTRICAL NETWORKS & SUBSTATIONS CONSISTING OF: - MEDIUM VOLTAGE CIRCUIT BREAKERS & ISOLATORS - TRANSDUCERS & MEASURING DEVICES - CONNECTORS & TERMINALS - PANEL ACCESSORIES - TOOLS & TESTING EQUIPMENT - CURRENT & VOLTAGE TRANSFORMERS | | |

MINISTRY OF OIL

SHEET NO.: 8 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : ALL AREAS

PROJECT -06-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-06-01-0526 | EQUIPMENT & MATERIALS FOR MAINTENANCE & REPAIR OF TRANSFORMERS CONSISTING OF: - GRAIN ORIENTED AND NON ORIENTED SILICON STEEL - COLD ROLLED CARBON STEEL STRIP - COPPER WIRE & COPPER STRIP - ON - LOAD TAP CHANGER - OFF - LOAD TAP CHANGER - BUSHING FOR TRANSFORMERS - HOT ROLLED STEEL SHEET - INSULATING MATERIALS - SEMI FINISHED PARTS - TESTING EQUIPMENT - INSULATING FLEXIBLE WIRES - COILS - ACTIVE PARTS | | |

MINISTRY OF OIL

SHEET NO.: 9 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-02 : REHABILITATION/REVAMPING OF EXISTING

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

| | | | |
|------------------|--|--|--|
| 08-13-06-02-0535 | <p>COMPLETE ROTATING MECHANICAL EQUIPMENT WITH RECOMMENDED SPARES FOR REVAMPING OF EXISTING FACILITIES:</p> <p>PUMPS ,VARIOUS SIZES</p> <p>TURBINES , VARIOUS SIZES</p> <p>GEAR BOXES , FANS & BLADES</p> <p>HERMETIC COMPRESSORS</p> <p>REFRIGERATOR COMPRESSORS</p> <p>VARIOUS AIR COMPRESSORS</p> <p>HEAT EXCHANGER BUNDLES & AIR COOLER FIN FAN BUNDLES</p> <p>SUPER HEATERS FOR BOILERS</p> <p>VARIOUS CHILLERS WITH SPARES & EXCHANGERS.</p> <p>BURNERS</p> <p>BLOWERS & SOOT BLOWERS</p> <p>FURNACES AND ACCESSORIES</p> <p>AIR CONDITIONING UNIT FOR CONTROL ROOM</p> <p>VESSELS , INTERNALS , COLUMNS , DRUMS AND FLARE TIP VESSELS.</p> <p>TUBES AND CONVECTION COIL FOR TUBES</p> <p>MECHANICAL EQUIP. COMPLETE & SPARE PARTS KITS - COMPRESSORS "REPAIR KITS SETS"</p> | | |
|------------------|--|--|--|

MINISTRY OF OIL

SHEET NO.: 10 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-02 : REHABILITATION/REVAMPING OF EXISTING

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-02-0536 | REHABILITATION FOR T.E.L. SYSTEM FOR SAL. REF. | | |
| 08-13-06-02-0537 | REHABILITATION (6) BOILERS | | |
| 08-13-06-02-0538 | NEW UNIT FOR ASPHALT DRUM FILLING | | |
| 08-13-06-02-0539 | NEW UNIT FOR FILLING (5 LIT) & (1LIT) | | |

MINISTRY OF OIL

SHEET NO.: 11 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-03: SUSTAINING AND ENHANCING PRODUCTION CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-03-0540 | <p>TANKS FOR SECONDARY REFINERIES:</p> <p>COMPLETE TANKS WITH VARIOUS CAPACITIES FOR</p> | | |

| | | | |
|------------------|--|--|--|
| 08-13-06-03-0543 | DIFFERENT PRODUCTS COMPRISING ALL REQUIRED ACCESSORIES , MATERIALS AND EQUIPMENT | | |
| 08-13-06-03-0544 | <u>QAYARAH REFINERY DISTILLATION UNITS , WHICH COMPRISES THE FOLLOWING :</u> - PIPES (10 ") - PIPES (12") WASTE - PUMPS WITH ACCESSORIES - RAW WATER TANKS - FIRE FIGHTING & SAFETY EQUIPMENT WITH MATERIALS , ACCESSORIES - R.O. SYSTEM CAPACITY 250 C.M PER / H - SUB-STATION QAYARAH REF. - WASTE WATER TREATMENT UNIT 100 C.M / H - MATERIALS FOR PRODUCTS TANKS WITH ACC. - RAW WATER TREATMENT PLANT COMPLETE WITH PIPES, PUMPS, CLARIFIERS, FILTER...ETC. CAPACITY 300 M3/HR | | |

MINISTRY OF OIL

SHEET NO.: 12 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-04: SAFETY AND ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|------------------------------------|-----|------|
| 08-13-06-04-0550 | FIRE FIGHTING EQUIPMENT | | |
| 08-13-06-04-0551 | SAFETY EQUIPMENT | | |
| 08-13-06-04-0552 | AGRICULTURAL MACHINERIES AND TOOLS | | |
| 08-13-06-04-0553 | SPARE PARTS FOR FIRE TRUCK | | |
| 08-13-06-04-0554 | ENVIRONMENTAL EQUIPMENT | | |
| 08-13-06-04-0555 | FIRE ALARM SYSTEM | | |

LOCATION : BAIJI

PROJECT -06-05 : SERVICE AND PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-05-0560 | WELDING AND CUTTING MACHINES WITH ACCESSORIES AND SPARE PARTS. | | |
| 08-13-06-05-0561 | WORK SHOP MACHINES & EQUIPMENT WITH ACCESSORIES. | | |
| 08-13-06-05-0562 | BALANCING MACHINE WITH ACCESSORIES | | |
| 08-13-06-05-0563 | HEAVY VEHICLES WITH SPARE PARTS - LOADING CRANE, CRANES, FORK LIFTS, SQUEEZERS, | | |

| | | | |
|------------------|--------------------------|--|--|
| | EXCAVATORS, TRUCKS, ETC. | | |
| 08-13-06-05-0564 | LIFT TRUCK FOR LIFTING | | |

MINISTRY OF OIL

SHEET NO.: 13 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-06 : TESTING INSPECTIONS, STUDIES & LABORATORIES.

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-06-06-0570 | MEASURING EQUIPMENT AND ANALYSERS FOR QUALITY CONTROL OF PRODUCTS TESTING EQUIP. FOR VERIFICATION OF PRODUCTS' SPECIFICATIONS WITH SPARES | | |
| 08-13-06-06-0571 | ANALYTICAL EQUIPMENT WITH SPARES | | |
| 08-13-06-06-0572 | LABORATORY CHEMICALS | | |
| 08-13-06-06-0573 | LABORATORY GLASS WARES | | |
| 08-13-06-06-0574 | SPARE PARTS FOR APPARATUS | | |
| 08-13-06-06-0575 | LEAK DETECTORS FOR UNDER GROUND PIPES | | |
| 08-13-06-06-0576 | CONTRACTS FOR THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE THE COMPLIANCE TO SPECIFICATIONS AT THE SUPPLIERS WORKSHOP ABROAD | | |
| 08-13-06-06-0577 | TECHNICAL SERVICES CONTRACT- SURVEY, STUDY & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE ,FOR IMPROVEMENT OF MAINTENANCE & OPERATION | | |
| 08-13-06-06-0578 | STUDIES & TECHNICAL SERVICES CONTRACTS FOR INCREASING CAPACITIES OF ATMOSPHERIC & NAPHTHA HDS UNITS CAPACITIES WITH SUPPLY OF REQUIRED MATERIALS | | |
| 08-13-06-06-0579 | LIFE ASSESSMENT AND STUDY AND IMPLEMENTATION ON INSPECTION ACTIVITIES UP GRADING PROGRAM FOR IMPROVEMENT OF MAINTENANCE AND OPERATING EFFICIENCY FOR NORTH REFINERIES | | |
| 08-13-06-06-0580 | INSPECTION MEASURING EQUIPMENT WITH ACCESSORIES (NDT) | | |
| 08-13-06-06-0581 | TEST EQUIPMENT | | |

MINISTRY OF OIL

SHEET NO.: 14 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-07 : DEVELOPMENT PROJECT/DELAYED COKING UNIT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

| | | | |
|-------------------------|--|--|--|
| 08-13-06-07-0585 | STUDY, BASIC DESIGN & LICENSE FOR DELAYED COKING HYDRO - DESULPHURISATION & CALCINING UNITS FOR THE EXTRACT AND/OR DECANTED OIL AS FEED TO THE DELAYED COKER UNIT INCLUDING TECHNICAL ASSISTANCE ENGINEERING CONSULTANCY | | |
|-------------------------|--|--|--|

LOCATION : BAIJI
PROJECT -06-08 : DEVELOPMENT PROJECT/ FCC UNIT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|-----|------|
| 08-13-06-08-0588 | BASIC DESIGN ,LICENSE ,MATERIALS & EQUIPMENT REQUIRED FOR THE CONTINUATION OF THE PROJECT TO INSTALL A FLUIDISED 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 | | |

MINISTRY OF OIL

SHEET NO.: 15 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

PROJECT -06-09 : DEVELOPMENT PROJECT/ ZEO REFORMER

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|-----|------|
| 08-13-06-09-0590 | 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 | | |

LOCATION : BAIJI
PROJECT -06-10 : DEVELOPMENT PROJECT/ COMPLETE BOILER

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|-----|------|
| 08-13-06-10-0593 | COMPLETE STEAM BOILERS 100 TON & 5 TON WITH ACCESSORIES INCLUDING TECHNICAL ASSISTANCE ENGINEERING CONSULTANCY | | |
| 08-13-06-10-0594 | COOLING TOWER PACKING | | |

MINISTRY OF OIL

SHEET NO.: 16 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-11 : DEVELOPMENT PROJECT/ ISOMERIZATION UNIT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-11-0599 | ERECTION EQUIPMENT ,TOOLS & CONSUMABLE MATERIALS,.. ETC. FOR ISOMERIZATION UNIT AND OTHERS. | | |
| 08-13-06-11-0600 | SERVICE CONTRACTS FOR SUPERVISION OF INSTALLATION & COMMISSIONING OF THE ISOMERIZATION UNIT | | |

LOCATION : BAIJI

**PROJECT -06-12 : DEVELOPMENT PROJECT / NEW UNIT
FOR CARBON BLACK PLANT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-12-0603 | ERECTION OF COMPLETE CARBON PRODUCTION UNITS WHICH COMPRISES: TYPE (N 330) (ISAF) TYPE (N 220) (HAF) CAPACITY (15000 TON / YEAR) | | |

MINISTRY OF OIL

SHEET NO.: 17 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

**PROJECT -06-13 : DEVELOPMENT PROJECT /
SULPHUR RECOVERY UNIT COMPLETION STAGE**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-13-0606 | VARIOUS (MECHANICAL ,ELECTRICAL & INSTRUMENT) EQUIPMENT, MATERIALS REQUIRED FOR ENHANCING THE EXISTING SULPHUR RECOVERY UNITS | | |

LOCATION : BAIJI

PROJECT -06-14 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

| | | | |
|-------------------------|--|--|--|
| 08-13-06-14-0610 | HEXANE, XYLENE, TOLUENE UNITS COMPLETION STAGE INCLUDING SUPPLY OF REQUIRED MATERIALS , EQUIPMENT, INSTRUMENTS, ELECTRICAL... ETC. | | |
|-------------------------|--|--|--|

MINISTRY OF OIL

SHEET NO.: 18 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-15 : DEVELOPMENT PROJECT /

COMPLETE LIQUID WASTE INCINERATOR

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|-----|------|
| 08-13-06-15-0613 | COMPLETE LIQUID WASTE INCINERATOR AND ACCESSORIES WITH SUPERVISION AND INSTALLATION TO REDUCE THE ENVIRONMENTAL POLLUTION WITH RECOMMENDED SPARE PARTS | | |

LOCATION : BAIJI

PROJECT -06-16 : DEVELOPMENT PROJECT /T.E.L SYSTEM

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|-----|------|
| 08-13-06-16-0616 | T.E.L. SYSTEM WITH ALL ACCESSORIES COMPONENTS FOR NORTH REFINERY | | |

MINISTRY OF OIL

SHEET NO.: 19 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

PROJECT -06-17 : DEVELOPMENT PROJECT / 100 LL UNIT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|-----|------|
| 08-13-06-17-0620 | <u>PRODUCTION OF FUEL TYPE : UNIT 100 LL COMPRISES THE FOLLOWING:-</u> - TANKS CAPACITY 25 , 50 C.M - PUMPS AND PIPES - TANKER - METERS - FIRE FIGHTING & SAFETY , INSTRUMENTATION AND ELECTRICAL SYSTEM. | | |

**PROJECT -06-18 : DEVELOPMENT PROJECT / CARBON BLACK
PLANT COMPLETION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-06-18-0623 | VARIOUS (MECHANICAL ,ELECTRICAL & INSTRUMENT) EQUIPMENT, MATERIALS REQUIRED FOR ENHANCING THE EXISTING CARBON BLACK UNITS | | |

MINISTRY OF OIL

SHEET NO.: 20 OF 20

ESTABLISHMENT NAME : NORTH REFINERIES COMPANY

LOCATION : BAIJI

**PROJECT -06-19 :DEVELOPMENT PROJECT / HYDRO TREATING
& REFORMING AIR UNIT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-06-19-0626 | COMPRISING OF ALL REQ. ACCESSORIES (MECH. , INSTRU. , & ELEC. EQUIPMENT) | | |

LOCATION : BAIJI

PROJECT -06-20 :DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-06-20-0630 | NAPHTHA HYDROTREATER UNIT & SEMI REGENERATED REFORMING UNIT FOR (QAYARAH , SINIYAH & KIRKUK) | | |

LOCATION : BAIJI

PROJECT -06-21 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|-------------------|-----|------|
| 08-13-06-21-0633 | DESLUDGING SYSTEM | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|----------------------------|-----|------|
| 08-13-07-01-0650 | 12-HYDROXY STEARIC ACID | | |
| 08-13-07-01-0651 | TETRA ETHYL LEAD (TEL)□ | | |
| 08-13-07-01-0652 | LITHIUM - MONO - HYDROXIDE | | |
| 08-13-07-01-0653 | DEWAXING AID NO. (1)□ | | |

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|------------------|--|--|--|
| 08-13-07-01-0654 | FURFURAL | | |
| 08-13-07-01-0655 | M.E.K (METHYL ETHYL KETON) | | |
| 08-13-07-01-0656 | DETERGENT DISPERSANT PACKAGE ADDITIVE FOR DIESEL OIL S-3 | | |
| 08-13-07-01-0657 | VISCOSITY INDEX IMPROVER | | |
| 08-13-07-01-0658 | HIGH DENSITY POLY ETHYLENE | | |
| 08-13-07-01-0659 | MULTI PURPOSE GEAR OIL ADDITIVE | | |
| 08-13-07-01-0660 | SOLUBLE OIL CONCENTRATE | | |
| 08-13-07-01-0661 | TURBINE OIL ADDITIVE | | |
| 08-13-07-01-0662 | SILICON BASE OIL, SYNTHETIC BASE OIL, TRITOLY PHOSPHATE T.T.P | | |
| 08-13-07-01-0663 | CORROSION AND SCALE INHIBITOR | | |
| 08-13-07-01-0664 | BIO DISPERSANT | | |
| 08-13-07-01-0665 | BIOCIDE | | |
| 08-13-07-01-0666 | CONDITIONER FOR BOILER | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-01-0667 | OXYGEN SCAVENGER | | |
| 08-13-07-01-0668 | INHIBITOR FOR STEAM & CONDENSATE | | |
| 08-13-07-01-0669 | DRY CATIONIC FLOCCULANTS | | |
| 08-13-07-01-0670 | SODIUM METABISULPHATE (SMBS) SOLID | | |
| 08-13-07-01-0671 | ORGANIC CLEANING | | |
| 08-13-07-01-0672 | INORGANIC CLEANING | | |
| 08-13-07-01-0673 | ANTI SCALANT | | |
| 08-13-07-01-0674 | WEAKLY ANION POLY ELECTROLYTE | | |
| 08-13-07-01-0675 | POLY ALUMINIUM CHLORIDE PAC | | |
| 08-13-07-01-0676 | CAUSTIC SODA | | |
| 08-13-07-01-0677 | SPARE PARTS FOR EXISTING PUMPS, COMPRESSORS, FANS, GEARS STEAM TURBINES, ROTARY FILTER, BALL BEARING, MECHANICAL SEALS, COUPLINGS, BAROMETRIC CONDENSER & STEAM EJECTOR, DOUBLE PIPE EXCHANGER & CHILLERS | | |
| 08-13-07-01-0678 | SPARE PARTS FOR EXISTING INSTRUMENTS, SOLENOID VALVES, INDICATING LAMPS | | |

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|------------------|--|--|--|
| 08-13-07-01-0679 | COMPLETE INSTRUMENTS, CONTROL VALVES, CONTROLLERS, RECORDERS, TRANSMITTERS E TEMP. & PRESSURE GAUGES & SWITCHES, CALIBRATING DEVICES INLINE STRAINERS, METERS, ANALYSERS | | |
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MINISTRY OF OIL

SHEET NO.: 3 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-01-0680 | SPARE PARTS FOR EXISTING ELECTRICAL EQUIPMENT | | |
| 08-13-07-01-0681 | ELECTRICAL EQUIPMENT, MOTOR CONTROL CENTRES, LOW & MEDIUM VOLTAGE SWITCH GEARS, SWITCH BOARDS, LOW & MEDIUM VOLTAGE CABLES, TRANSFORMERS, WINDING WIRES (33 KV CABLE), CABLE JOINTS. | | |
| 08-13-07-01-0682 | PIPE & FITTINGS, VALVES CHECK VALVES, STEAM TRAPS, PIPE BENDER, CUTTING TORCHES, PIPES SUPPORTS (ROLLERS) ELECTRIC PIPE CUTTER, TIG WELDING MACHINE & ELECTRODES | | |
| 08-13-07-01-0683 | GASKETS FOR PIPES, GASKET SHEETS, HEAT EXCHANGER | | |
| 08-13-07-01-0684 | LIGHTING FIXTURES AND SPARE PART FOR UPS LAMPS & BATTERY CHARGERS | | |
| 08-13-07-01-0685 | ISO - CONTAINER (EMPTY) | | |
| 08-13-07-01-0686 | PROCESS CHEMICAL CORROSION INHIBITOR | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-01-0687 | SUPPLY OF COMPONENTS FOR WATER SPLASH INSIDE COOLING TOWER WITH ACCESSORIES | | |
| 08-13-07-01-0688 | GENERAL MAINTENANCE TOOLS & EQUIPMENT, DRILLS, GRINDING DISK DIES, MACHINES TOOLS & FACING M/C, BUNDLE CUTTING M/C HORIZONTAL BAND SAW M/C SAND BLASTING M/C | | |
| 08-13-07-01-0689 | SPARE PARTS FOR EXISTING HEAVY EQUIPMENT | | |

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|-------------------------|--|--|--|
| 08-13-07-01-0690 | AIR COMPRESSORS DIESEL DRIVEN FOR MAINTENANCE ACTIVITIES WITH RECOMMENDED SPARE PARTS | | |
| 08-13-07-01-0691 | LIGHT WEIGHT FIRE INSULATING BRICK & COLD SURFACE INSULATING | | |
| 08-13-07-01-0692 | HEAT EXCHANGERS TUBES, STRAIGHT & FINNED | | |
| 08-13-07-01-0693 | PAGING SYSTEMS FOR PRODUCTION UNITS | | |
| 08-13-07-01-0694 | HIGH PRESSURE, HIGH TEMP. RUBBER STEAM & PRODUCTS HOSES & CONOVER | | |
| 08-13-07-01-0695 | FURNACES & BOILERS ACCESSORIES, BURNERS, SOOT BLOWERS | | |
| 08-13-07-01-0696 | METAL SHEET GALVANIZED, ALUMINIUM FOR INSULATION PROTECTION, STEEL STRUCTURE SUCTION | | |
| 08-13-07-01-0697 | CARBON STEEL SHEETS FOR MANUFACTURING 25 LITTER DRUM, CARBON STEEL COIL FOR 200 LITTER DRUM MANUFACTURING ENDS & SIDES | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : ALL AREAS

PROJECT -07-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-07-01-0698 | CONTROL SYSTEM COMPONENTS & TOOLS USED FOR REHABILITATION & RECONSTRUCTION OF CONTROL SYSTEMS CONSISTING OF: - COMPACT PCI INDUSTRIAL CONTROLLERS - ISA & PCI INDUSTRIAL CONTROLLERS - INDUSTRIAL MONITORS - INDUSTRIAL WORKSTATIONS - INDUSTRIAL COMMUNICATION SYSTEMS - AUTOMATIC SOFTWARE - INDUSTRIAL DATA ACQUISITION \$ CONTROL SYSTEMS - INSTRUMENTS \$ CALIBRATORS - CONTROLLERS - RECORDERS - LOAD CELLS - UPS COMPONENTS - METAL FORMING EQUIPMENTS - PLASTIC FORMING EQUIPMENTS - ELECTRONIC COMPONENTS - INDICATORS | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-02-0703 | COMPLETE PUMPS & COMPRESSORS WITH MOTORS OR STEAM TURBINES OR DIESEL □ ENGINES DRIVES, FANS, VARIATORS MIXERS, GEAR BOXES, SOOT BLOWERS, DOSING PUMPS □ ALL WITH RECOMMENDED SPARE PARTS | | |
| 08-13-07-02-0704 | CARBON STEEL PLATES FOR 50000 M3 FLOATING ROOF & FIXED ROOF TANK WITH ACCESSORIES | | |
| 08-13-07-02-0705 | HYDROGEN SKID | | |

LOCATION : ALL AREAS

PROJECT -07-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-02-0710 | EQUIPMENT & MATERIALS FOR REHABILITATION OF ELECTRICAL AND DISTRIBUTION SYSTEM CONSISTING OF : - COPPER ROD - ALUMINIUM ROD - L.D. POLYETHYLENE - GALVANIZED STEEL TAPE - GALVANIZED STEEL CORES - ALUMINIUM INGOT - POLYESTERIMIDE WIRE ENAMEL - ALUMINIUM STRIPS - MOLYNEXE | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-07-03-0713 | TANK GAUGING SYSTEM WITH ACCESSORIES FOR 34 TANKS | | |

LOCATION : DAURA REFINERY

PROJECT -07-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-04-0716 | FIRE FIGHTING AGENTS | | |
| 08-13-07-04-0717 | ENVIRONMENTAL VEHICLE FOR AIR POLLUTION MEASUREMENT WITH SPARE PARTS | | |
| 08-13-07-04-0718 | FIRE FIGHTING & SAFETY CLOTHES & WEAR | | |
| 08-13-07-04-0719 | CHLORINATOR WITH CONTROLLER | | |

MINISTRY OF OIL

SHEET NO.: 8 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

PROJECT -07-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-05-0723 | HYDRAULIC IMPACT WRENCH, ELECTRICAL WINCHES | | |
| 08-13-07-05-0724 | AMBULANCE TRUCK, VACUUM TANKER | | |
| 08-13-07-05-0725 | FORKLIFT 2,3 TON, 5 TON DIESEL AND ELC | | |
| 08-13-07-05-0726 | ACID TANKER (H2SO4), (HCL) | | |
| 08-13-07-05-0727 | SEMILORE 2.5 TON WITH HYDRAULIC CRANE 500 KG | | |
| 08-13-07-05-0728 | BUSES (SEMI ASSEMBLED) COMPLETE | | |

LOCATION : DAURA REFINERY

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-07-06-0730 | LABORATORY INSTRUMENT FOR ANALYSIS TESTING REFINERY PRODUCT & UTILITIES | | |

MINISTRY OF OIL

SHEET NO.: 9 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

**PROJECT -07-07 : DEVELOPMENT PROJECT/DRUM MANUFACTURING
PLANT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

| | | | |
|------------------|---|--|--|
| 08-13-07-07-0733 | DRUM MANUFACTURING PLANT FOR 200 LITTER STEEL DRUMS | | |
|------------------|---|--|--|

LOCATION : DAURA REFINERY

PROJECT -07-08 : DEVELOPMENT PROJECT / REFORMER UNIT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-08-0736 | SUPPLY OF REFORMER UNIT 10000 B/DAY. WITH NAPHTHA H.D.T UNIT 15000 B/DAY□ | | |

MINISTRY OF OIL

SHEET NO.: 10 OF 10

ESTABLISHMENT NAME : MIDLAND REFINERIES COMPANY

LOCATION : DAURA REFINERY

**PROJECT -07-09 : DEVELOPMENT PROJECT / REPLACEMENT OF
FURNACES**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-09-0739 | HOT OIL SYSTEM FOR LUBE OIL PLANT NO. 2□ | | |

LOCATION : ALL AREAS

PROJECT -07-10 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-07-10-0743 | GASKET MANUFACTURING PLANT (SPIRAL WOUND, NON METALLIC & HEAT EXCHANGER) 1/2" 24" | | |

LOCATION : ALL AREAS

PROJECT -07-11 : DEVELOPMENT PROJECT-70000 BPD REFINERY

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-07-11-0746 | A REFINERY UNIT OF 70000 BPD CAPACITY COMPRISED OF ATMOSPHERIC DISTILLATION UNIT, LIGHT DISTILLATE & GAS OIL HYDROTREATING UNITS, CATALYTIC REFORMING UNIT (CCE) ISOMERISATION UNIT (RECYCLE), LPG RECOVERY UNIT & SULPHUR RECOVERY UNIT. | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT -08-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-08-01-0760 | SPARES FOR EXISTING ROTATING EQUIPMENT (PUMPS COMPRESSORS, TURBINES, GEAR BOX, FANS, FILTERS & OTHERS MISC ITEMS. | | |
| 08-13-08-01-0761 | MECHANICAL EQUIPMENT WITH RECOMMENDED SPARE PARTS: - PIPES OF DIFFERENT SIZES AND TYPES . - FITTINGS, VALVES ,SAFETY VALVES . - GASKET & BEARINGS - HEAT EXCHANGERS TUBES , BUNDLES AND TOOLS - BOLTS & STUDS WITH NUTS DIFFERENT SIZES & LENGTH - HOSES DIFFERENT SIZES & TYPES | | |
| 08-13-08-01-0762 | ELECTRICAL EQUIPMENT : (SWITCH GEAR ,MOTORS , STARTERS ,RELAY TESTER, GENERATOR ETC) & MEASURING EQUIPMENT WITH RECOMMENDED SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT -08-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-08-01-0763 | ELECTRIC & INSTRUMENT CABLES WITH ACCESSORIES | | |
| 08-13-08-01-0764 | - VARIOUS INSTRUMENTATION EQUIPMENT - CONTROL VALVES, SOLENOID VALVES, PRESSURE GAUGES, TRANSMITTERS, CONTROLLERS, TRANSMISSION COMPLETE WITH SPARES - SPARES FOR EXISTING INSTRUMENTS - CALIBRATION EQUIPMENT | | |
| 08-13-08-01-0765 | ADDITIVES FOR DIESEL ENGINE OILS . | | |
| 08-13-08-01-0766 | FURFURAL | | |
| 08-13-08-01-0767 | VISCOSITY INDEX IMPROVER . | | |
| 08-13-08-01-0768 | TETRA ETHYL LEAD (T.E.L) | | |
| 08-13-08-01-0769 | CATALYST | | |
| 08-13-08-01-0770 | <u>WATER TREATMENT AND FIRE FIGHTING CHEMICALS</u> - POLY ALUMINIUM CHLORIDE (PAC) WITH POLYELECTROLYTE . - SODIUM HYPOCHLORIDE | | |
| 08-13-08-01-0771 | MEMBRANES FOR THE R.O UNIT | | |
| 08-13-08-01-0772 | DESULCHING UNIT FOR TANKS. | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT -08-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-08-02-0775 | REPLACEMENT OF COMPLETE DAMAGED PUMPS , COMPRESSORS, TURBINES GEARBOXES , FANS, CHILLERS ETC. WITH SPARES | | |
| 08-13-08-02-0776 | REVAMPING OF LUBE OIL BLENDING UNIT | | |
| 08-13-08-02-0777 | WAX HYDRO FINISHING : REHABILITATION OF EXISTING WAX HYDRO-FINISHING UNIT. | | |

LOCATION : BASRAH

PROJECT -08-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-08-03-0780 | COMPLETE COOLING TOWER CAP. 12 M3/ H WITH SPARES . | | |
| 08-13-08-03-0781 | TWO LINES OF DEMI PLANTS CAP (100M3/H) FOR EACH ONE | | |

LOCATION : BASRAH

PROJECT -08-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-08-04-0785 | - SAFETY EQUIPMENT TOOLS AND PERSONAL SAFETY WEAR - SPARE PARTS FOR EXISTING FIRE FIGHTING VEHICLES - TESTING & MEASURING ENVIRONMENTAL PROTECTION EQUIPMENT WITH RECOMMENDED SPARES. | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT -08-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|--|-----|------|
| | TRANSPORTATION AND SERVICES EQUIPMENT WITH SPARES :- - FORK LIFT CAPACITY 15 TON WITH SPARES - FORK LIFT CAPACITY 10 TON WITH SPARES - FORK LIFT CAPACITY 5 TON WITH SPARES - FORK LIFT CAPACITY 2 TON WITH SPARES | | |

| | | | |
|-------------------------|---|--|--|
| 08-13-08-05-0788 | - FORK LIFT CAPACITY 1 TON WITH SPARES | | |
| | - CRANE CAPACITY 120 TON | | |
| | - CRANE CAPACITY 70 TON | | |
| | - CRANE CAPACITY 30 TON | | |
| | - CRANE CAPACITY 10 TON | | |
| | - CRANE CAPACITY 5 TON | | |
| | - LORRY INCLUDING CRANE (WINCH TRUCK) CAPACITY 12 TON | | |
| | - LORRY INCLUDING CRANE (WINCH TRUCK) CAPACITY 8 TON | | |
| | - LOWLOADER CAPACITY 60 TON | | |
| | | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-08-06-0792 | MEASURING EQUIPMENT , ANALYSERS, LAB APPARATUS, GAS ANALYSER AND SYSTEMS FOR INSPECTION WITH RECOMMENDED SPARE PARTS | | |
| 08-13-08-06-0793 | TESTING EQUIPMENT WITH RECOMMENDED SPARE PARTS FOR QUALITY ANALYSIS & VERIFICATION OF PRODUCTS SPECIFICATION | | |
| 08-13-08-06-0794 | TECHNICAL SERVICE CONTRACT (SURVEY, STUDIES & ASSISTANCE) FOR EQUIPMENT SURVEY , EFFICIENCY STUDIES & TECHNICAL ASSISTANCE FOR IMPROVEMENT OF MAINTENANCE & OPERATION EFFICIENCY. | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 6

ESTABLISHMENT NAME : SOUTH REFINERIES COMPANY

LOCATION : BASRAH

PROJECT -08-07 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-08-07-0798 | COMPLETE ASPHALT UNIT CAPACITY 5000 B / DAY | | |

PROJECT -08-08 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-08-08-0800 | REFORMING UNITS : COMPLETE REFORMING UNIT WITH CAPACITY (4000 B /D) | | |

LOCATION : BASRAH**PROJECT -08-09 : DEVELOPMENT PROJECT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-08-09-0803 | COMPLETE STEAM BOILER CAPACITY 155 T/H | | |

LOCATION : BASRAH**PROJECT -08-10 : DEVELOPMENT PROJECT**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|----------------------------------|-----|------|
| 08-13-08-10-0806 | COMPLETE R.O PLANT CAP . (705M3) | | |

MINISTRY OF OIL**SHEET NO.: 1 OF 4****ESTABLISHMENT NAME : NORTH GAS COMPANY****LOCATION : KIRKUK****PROJECT -09-01 : MAINTENANCE & OPERATION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-09-01-0820 | CHEMICALS FOR WATER TREATMENTS: -CAUSTIC SODA -CHEMICALS FOR BOILER WATER CONDITIONERRESINS FOR DEM. AND PLOISH UNITS -CHEMICALS FOR BOILER WATER CONDITIONER ANTISCAL - OXYGEN SCAVENGER - MEUTRALIZER | | |
| 08-13-09-01-0821 | SPARE PARTS FOR EXISTING MEASURING AND CONTROL SYSTEMS AND FITTING | | |
| 08-13-09-01-0822 | TOOLS AND EQUIPMENTS HOISTING WIRE ROPES FOR MAINTENANCE | | |
| 08-13-09-01-0823 | TOOLS & EQUIPMENTS FOR MAINTENANCE | | |
| 08-13-09-01-0824 | SPARE PARTS FOR THE EXISTING ELECTRICAL EQUIPMENTS. | | |
| 08-13-09-01-0825 | SPARE PARTS FOR ROTARY MACHINES (PUMPS ,COMPRESSORS , | | |

| | | | |
|------------------|---|--|--|
| 08-13-09-01-0825 | STEAM TURBINES, GEAR BOXES , FANS & BLOWERS) | | |
| 08-13-09-01-0826 | PIPES, TUBES, FITTINGS, CARBON STEEL PLATES, TRAYS FOR PROCESS TOWER, MESH WIRES, GASKETS, VESSELS, FILTERS, WELDING ELECTRODES, IRON BEAMS, BOLTS, AND NUTS DEMISTERS & ACCESSORIES FOR (HEAT EXCHANGERS, FURNACES). | | |

LOCATION : ALL AREAS

PROJECT -09-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|-----------------------------|-----|------|
| 08-13-09-01-0830 | ALUMINIUM HYDROXIDE AL(OH)3 | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 4

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

**PROJECT -09-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-09-02-0833 | PUMPS, BLOWERS, GEARBOXES, COMPRESSORS, STEAM TURBINES TO REPLACE OBSOLETE ONES WITH SPARE PARTS . | | |
| 08-13-09-02-0834 | UPGRADING OF COOLING TOWERS WITH SPARE PARTS . | | |
| 08-13-09-02-0835 | UPGRADING OF THE EXISTING OLD & OBSOLETE CONTROL SYSTEM WITH SPARE PART PNEUMATIC, ELECTRIC, MANUAL VALVE, SAFETY VALVES, RUPTURE DISCS, REGULATORS WITH SPARE PARTS | | |
| 08-13-09-02-0836 | ON LINE & LAB ANALYSERS WITH SPARE PARTS . | | |
| 08-13-09-02-0837 | MOTOR CONTROL CENTRES (MCC), SWITCH BOARDS, CONTROLS, U.P.S., CABLES, PAGING SYSTEM & RECOMMENDED SPARE PARTS . | | |
| 08-13-09-02-0838 | SPARES & EQUIPMENT FOR REVAMPING OF THE SULPHUR RECOVERY UNITS, SULPHUR STORAGE & HANDLING UNITS . | | |
| 08-13-09-02-0839 | REHABILITATION & MAINT. SERVICES FOR COMPRESSORS, TURBINES & OTHER UNITS WITH MATERIALS & SPARES | | |
| 08-13-09-02-0840 | STEAM GENERATOR WITH SPARE PARTS | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 4

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

PROJECT -09-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-09-04-0845 | FIRE EXTINGUISHING MATERIALS AND EQUIPMENTS (LIGHT WATER FOAM , FLOURE PROTEIN , EXTINGUISHING POWDER) | | |
| 08-13-09-04-0846 | GAS / SMOKE / FIRE TOXIS GAS MEASURING EQUIPMENT WITH SPARE PARTS | | |
| 08-13-09-04-0847 | FIRE FIGHTING VEHICLES | | |

LOCATION : KIRKUK

PROJECT -09-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-09-05-0850 | -DUMP CARS -DRILL MACHINES -VERTICAL SLOTTING MACHINES -WELDING MACHINES -PORTABLE AIR COMPRESSORS | | |
| 08-13-09-05-0851 | SPARE PARTS FOR TRUCKS AND EQUIPMENTS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 4

ESTABLISHMENT NAME : NORTH GAS COMPANY

LOCATION : KIRKUK

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-09-06-0855 | THIRD PARTY INSPECTION OF CONTRACTED GOODS TO ENSURE COMPLIANCE TO SPECIFICATION AT THE SUPPLIERS WORKS ABOARD . | | |
| 08-13-09-06-0856 | INSPECTION OF EXISTING INSTALLATIONS AND ISSUING CERTIFICATES | | |

| | | | |
|-------------------------|---|--|--|
| 08-13-09-06-0857 | TECHNICAL SERVICE CONTRACTS, SURVEY , STUDIES & ASSISTANCE FOR EQUIPMENT SURVEY, EFFICIENCY STUDIES & TECHNICAL ASSISTANCE, FOR IMPROVEMENT OF MAINTENANCE & OPERATION WITH MATERIALS & SPARE PARTS . | | |
| 08-13-09-06-0858 | SITE MONITORING SYSTEM WITH SPARE PARTS. | | |
| 08-13-09-06-0859 | ENGINEERING , DESIGN , CONSULTATION SERVICES FOR THE CONSTRUCTION OF COMPLETE GAS PROCESSING LINE | | |

LOCATION : KIRKUK

PROJECT -09-07 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-09-07-0863 | HYDROCARBON CONDENSATE RECEIVING& TREATMENT UNIT | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-10-01-0880 | <u>ELECTRICAL EQUIPMENT & MATERIALS:-□□</u> MOTORS, ROTORS, CIRCUIT BREAKERS, TRANSFORMERS, CAPACITORS, CONTRACTORS, JOINTS, LIGHTS, LAMPS, BALLAST, HOLDERS, CABLES, WELDING WIRES, FUSES, INSTALLATIONS , BATTERIES , EXPANSION VALVES SWITCHES , LINKS ... ETC. AND S | | |
| 08-13-10-01-0881 | PIPES, TUBES & VALVES, FITTINGS, STRAINERS, BEARING, BELTS, BOLTS & NUTS, HEAT EXCHANGERS AND SPARES... ETC. | | |
| 08-13-10-01-0882 | MOLECULAR SIEVE | | |
| 08-13-10-01-0883 | CERAMIC BALLS | | |
| 08-13-10-01-0884 | TRI- ETHYLENE GLYCOL. | | |
| 08-13-10-01-0885 | SODIUM HYDROXIDE [NAOH] | | |
| 08-13-10-01-0886 | MEROX REAGENT | | |
| 08-13-10-01-0887 | METHANOL | | |
| 08-13-10-01-0888 | DIPA | | |
| 08-13-10-01-0889 | SILPHOLENE | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-10-01-0890 | ANTI- FOAM | | |
| 08-13-10-01-0891 | SPARES FOR THE EXISTING GAS TURBINES, COMPRESSORS, PUMPS . | | |
| 08-13-10-01-0892 | SPARES FOR AIR COOLER FANS, FANS, BURNERS, FLARES . | | |
| 08-13-10-01-0893 | INSTRUMENTS INCLUDING CONTROL VALVES, SOLENOID VALVES, SERVO VALVES, TRANSFER VALVES, SAFETY VALVES, ACTUATORS, SWITCHES RECORDERS, TRANSMITTERS, GAUGES, CONTROLLER, SENSORS THERMOCOUPLES, THERMOMETERS, CHARTS, TRANSDUCERS, FUSES, SIGNAL INDICATORS, RELAY | | |
| 08-13-10-01-0894 | OVERHAUL MAINTENANCE FOR GAS TURBINE IN KHOR AL- ZUBAIR PLANTS INCLUDING SUPPLY OF REQUIRED MATERIALS | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-02 : REHABILITATION/REVAMPING OF EXISTING
INSTALLATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-10-02-0900 | REVAMPING & REHABILITATION AND PRECOMMISSIONING . START UP OF STORAGE AND GAS COOLING PLANT IN KHOR AL- ZUBAIR [STORAGE TANK, COMPRESSORS, PUMPS, LOADING ARMS OF GAS PRODUCTS] INCLUDING SUPPLY OF REQUIRED MATERIALS, MECHANICAL, INSTRUMENTS, ELECTRICAL SP | | |
| 08-13-10-02-0901 | EVALUATION & REHABILITATION AND PRECOMMISSIONING, START UP OF INGECO & NIIGATA LPG PLANT IN KHOR AL- ZUBAIR INCLUDING STORAGE TANKS, COMPRESSORS, PUMPS, LOADING ARMS , MECHANICAL, INSTRUMENTS, ELECTRICAL SPARES AND EQUIPMENT. PIPES, CABLES, HEAT EXCHANGERS | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA
PROJECT -10-03 : SUSTAINING & ENHANCING PRODUCTION
CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-10-03-0904 | METERING SYSTEM WITH ALL ACCESSORIES & SPARE PARTS & INSTALLATION, WEIGHING BRIDGE WITH SPARES. | | |
| 08-13-10-03-0905 | (N2) SYSTEM FILLING STATION FOR GAS NITROGEN STORAGE CYLINDER WITH COMPRESSORS AND ACCESSORIES. | | |
| 08-13-10-03-0906 | COOLING TOWER WITH ALL ACCESSORIES AND SPARE PARTS. | | |
| 08-13-10-03-0907 | COMPLETE TURBINES INCLUDING ACCESSORIES WITH SPARES, PRECOMMISSIONING AND INSTALLATION . | | |

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA
PROJECT -10-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-10-04-0910 | FIRE ALARM SYSTEMS WITH SPARE PARTS INCLUDING INSTALLATION . | | |
| 08-13-10-04-0911 | FIRE FIGHTING SYSTEMS WITH SPARE PARTS INCLUDING INSTALLATION . | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-10-05-0915 | SPLIT UNITS, CHILLERS PACKAGE UNITS &, COMPRESSORS AND SPARES FOR EXISTING COOLING EQUIPMENT . | | |
| 08-13-10-05-0916 | SPARE PARTS FOR LIFTING, HANDLING, FIRE FIGHTING, BUSES, TRUCKS & OTHER VEHICLES . | | |
| 08-13-10-05-0917 | WORKSHOP REQUIREMENTS INCLUDING DIESEL, ELECTRIC, HYDRAULIC AND HAND TOOLS WITH SPARES . | | |
| 08-13-10-05-0918 | TEST PUMPS, LIFTING, HANDLING, GRINDING WITH THEIR ACCESSORIES AND SPARES WITH CONSUMABLE MATERIALS FOR ABRASIVE GRIND, CUTTING ...ETC. | | |
| 08-13-10-05-0919 | WATER TANKERS WITH ACCESSORIES & SPARE PARTS . | | |

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|-------------------------|---|--|--|
| 08-13-10-05-0920 | NITROGEN LIQUID TRUCK WITH ACCESSORIES AND SPARE PARTS . | | |
| 08-13-10-05-0921 | TECHNO ELECTRICAL CAR WITH ACCESSORIES AND SPARES . | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-10-05-0922 | CRANE 75 TON WITH ACCESSORIES AND SPARES . CRANE 20 TON WITH ALL ACCESSORIES AND SPARES . FORKLIFT 5 TON WITH ALL ACCESSORIES AND SPARES DUAL DIGGER SHOVEL WITH ALL ACCESSORIES AND SPARES . BULLDOZER SHOVEL WITH ALL ACCESSORIES AND SPARES . RESCUE MOBILE WITH ALL ACCESSORIES AND SPARES. OIL TANKER WITH ALL ACCESSORIES AND SPARES JET VACUUM CAR & GARBAGE CAR | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 7

ESTABLISHMENT NAME : SOUTH GAS COMPANY

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

**PROJECT -10-06 : TESTING, INSPECTION, STUDIES, SURVEYS
& LABORATORIES**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-10-06-0925 | EQUIPMENT FOR LABORATORIES WITH SPARES | | |
| 08-13-10-06-0926 | CONSUMABLE CHEMICALS FOR LABORATORIES . | | |
| 08-13-10-06-0927 | SURVEY AND INSPECTION FOR EXISTING PLANTS AND STUDIES . | | |
| 08-13-10-06-0928 | SURVEY, STUDIES AND EVALUATION FOR DRYING AND STORING GAS SYSTEM | | |
| 08-13-10-06-0929 | SURVEY, STUDIES FOR TREATMENT LINE CAPACITY200MM SCF | | |
| 08-13-10-06-0930 | STUDIES FOR [LNG] PLANT AND EXPORTING LOADING . | | |

LOCATION : KHOR AL- ZUBAIR AND NORTH RUMAILA

PROJECT -10-07 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------|-------------------------|------------|-------------|
|-------------|-------------------------|------------|-------------|

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|------------------|---|--|--|
| 08-13-10-07-0935 | REVERSE OSMOSIS PLANTS FOR THREE R.O UNITS WITH ACCESSORIES AND SPARE | | |
|------------------|---|--|--|

MINISTRY OF OIL

SHEET NO.: 1 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT -11-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-01-0950 | <u>LPG CYLINDER VALVE AND SPARES:-</u> #NAME? -RELIEF VALVE (COMPLETE). PISTON WITH PAD, SPRING & RETAINER - RUBBER PAD FOR SPINDLE | | |
| 08-13-11-01-0951 | <u>WELDING AND CUTTING CONSUMABLES AND ACCESSORIES:-</u> - VALVE FOR OXYGEN CYLINDERS - VALVE FOR CO2 CYLINDERS - DISC GRINDER - GRINDER WHEELS - ARC WELDING CABLES SIZE 35mm,50mm,75mm - WELDING ELECTRODE E 6013 | | |
| 08-13-11-01-0952 | <u>SPARE PARTS FOR LPG MANUFACTURING & REPAIR PLANT IN KUT :-</u> - SPARE PARTS FOR BENDING MACHINE -SPARE PARTS FOR TESTING CAROUSEL -SPARE PARTS FOR STRIP FEEDER | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT-11-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-01-0953 | <u>PIPES , FITTING , VALVES & SPARES:-</u> - PIPES , FITTING ,VALVES WITH SPARES (DIFFERENT SIZES), SHAFTS (CARBON STEEL , CAST IRON ,TEFLON) | | |
| 08-13-11-01-0954 | <u>ELECTRICAL MATERIALS & INSTRUMENTS:-</u> - VARIOUS FITTINGS AND TOOLS - PRESSURE AND TEMP. GAUGES - LEVEL GAUGES FOR UNDER GROUND HORIZONTAL TANKS WITH SPARES - CONTROL VALVE SYSTEMS WITH SPARES | | |

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|--|--|--|--|
| | - L.T. ELECTRIC EQUIPMENT (CONTROL ELEMENT , PROTECTION...) | | |
|--|--|--|--|

MINISTRY OF OIL

SHEET NO.: 3 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT -11-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-01-0955 | -SPARE PARTS FOR VACUUM PUMP -SPARE PARTS FOR GRINDER & DRILLS MACHINES -SPARE PARTS FOR AIR COMPRESSOR - SPARE PARTS FOR MAINTENANCE EQUIPMENT -SPARE PARTS FOR AIR CONDITIONING -SPARE PARTS FOR GAS PUMP -SPARE PARTS FOR SEWAGE WATER PUMP -SPARE PARTS FOR FLARE SYSTEM -SPARE PARTS FOR GAS FILLING PLANTS -SPARE PARTS FOR GENERATOR (DEUTZ ENGINES) -SPARE PARTS FOR MOLEN WEIGHING BRIDGE - SPARE PARTS FOR FILLING MACHINE TYPE (UFM_) -SPARE PARTS FOR TRUCK (RENAULT, SCANIA, MAN, FORKLIFT) | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT -11-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-01-0956 | <u>ACCESSORIES FOR L.P.G. RAILROAD TANKERS (20) TON CAPACITY:-</u> - RUBBER HOES L.P.G (2 INCH) - RUBBER HOSE L.P.G. (2 INCH) I-D - 3.25 INCH FEMALE ACME COUPLING - INTERNAL SAFETY RELIVE VALVE (2 INCH) NPT. - FILLER VALVE | | |
| 08-13-11-01-0957 | L.P.G MASS FLOW METERING SKID WITH SKID WITH SPARES | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT -11-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-11-03-0960 | LPG SPHERICAL TANKS CAPACITY 3000 M3 COMPLETE WITH ALL ACCESSORIES | | |

LOCATION : ALL AREAS

PROJECT -11-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-04-0963 | <ul style="list-style-type: none"> - FIRE FIGHTING HOSE (2.5 INCH X 20 MT) - DRY POWDER FIRE EXTINGUISHER - MULTIPURPOSE FOAM. - GAS DETECTORS - THICKNESS METER | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

PROJECT -11-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-11-05-0966 | WELDING MACHINES FOR WELDING THE TWO HALVES OF LPG CYLINDER | | |
| 08-13-11-05-0967 | PORTABLE OVEN FOR DRYING WELDING RODS FOR L.P.G CYLINDERS | | |
| 08-13-11-05-0968 | SHOVEL (WHEEL LOADER) 3 M M3 BUCKET | | |
| 08-13-11-05-0969 | TYRES & BATTERIES | | |
| 08-13-11-05-0970 | <u>VARIOUS MACHINES AND EQUIPMENTS:-</u> <ul style="list-style-type: none"> - AIR COMPRESSOR FOR OXYGEN PLANT WITH SPARES - CRANE 30 TONS CAPACITY WITH SPARES - WEIGHTING BRIDGE 100 TON CAPACITY WITH SPARES - CRAWLER SHOVEL WITH SPARES | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 7

ESTABLISHMENT NAME : GAS FILLING CO.

LOCATION : ALL AREAS

**PROJECT -11-06 : TESTING,INSPECTION,STUDIES,SURVEYS
& LABORATORIES**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-11-06-0975 | HYDROSTATIC TESTING CAROUSEL WITH 12 POST FOR TESTING LPG CYLINDER 12.5 Kg WITH SPARE PARTS | | |
| 08-13-11-06-0976 | SPECIMEN PREPARATION EQUIPMENT WITH SPARE PARTS FOR TENSILE TESTING | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-01-0990 | SPARES FOR EXISTING PUMPING STATION, DEPOTS, LPG PRESSURE REDUCTION STATION, LOADING AND UNLOADING FACILITIES WITH ASSOCIATED EQUIPMENT (MECH. ELECT. INSTRUMENTS. CONTROL MONITORS) | | |
| 08-13-12-01-0991 | LINE PIPE, CARBON STEEL, PRE - COATED DIFFERENT SIZES & SCHEDULES WITH SUITABLE NOS. OF HEAT SHRINKABLE SLEEVES . | | |
| 08-13-12-01-0992 | PIPE FITTINGS, STUD BOLTS, GASKETS & VALVES OF DIFFERENT SIZES & SCHEDULES . | | |
| 08-13-12-01-0993 | ELECTRIC CABLES DIFFERENT SIZES & TYPES INCLUDING POWER, CONTROL, TELECOM CABLES . | | |
| 08-13-12-01-0994 | LPG METERING FLOW METERS WITH COUNTER FLOW COMPUTERS ACCESSORIES & SPARES COMPLETE WITH STRAINERS & FILTERS .□ | | |
| 08-13-12-01-0995 | FLARE SYSTEM TO BE USED FOR BURNING NATURAL & LPG GAS C/W ACCESSORIES & SPARES . | | |
| 08-13-12-01-0996 | NATURAL GAS PRESSURE REDUCING REGULATORS DIFFERENT SIZES WITH SPARES . | | |
| 08-13-12-01-0997 | METHANOL FOR LPG PUMPS . | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-12-01-0998 | FILTER ELEMENT DIFFERENT SIZES FOR NATURAL, GAS FILTER WITH ACCESSORIES & SPARES . | | |
| 08-13-12-01-0999 | PIGS DIFFERENT TYPES & SIZES . | | |
| 08-13-12-01-1000 | SKID MOUNTED PRESSURE REDUCTION & METERING STATIONS FOR LPG & LIGHT OIL PRODUCTS, DIFFERENT CAPACITIES . | | |
| 08-13-12-01-1001 | LOW & H.T VOLTAGE DIESEL - ENGINE DRIVEN ELECTRIC GENERATOR OF DIFFERENT VOLTAGE & CAPACITIES . | | |
| 08-13-12-01-1002 | MECHANICAL, ELECTRICAL - MANUAL & PNEUMATIC TOOLS, DIFFERENT TYPES & SIZES . | | |
| 08-13-12-01-1003 | HYDRAULIC PIPE CUTTER C/W POWER UNIT & ACCESSORIES & SPARES DIFFERENT SIZES . | | |
| 08-13-12-01-1004 | EXTRA WHEELS CUTTERS FOR ABOVE . | | |
| 08-13-12-01-1005 | WELDING ELECTRODES DIFFERENT TYPES & SIZES . | | |
| 08-13-12-01-1006 | REPAIRING CLAMPS FOR PIPE LINE, DIFFERENT SIZES RUBBERS FOR PIPE LINE MAINTENANCE . | | |
| 08-13-12-01-1007 | FIXED - MOBILE & HAND - HELD VHF TRANSMITTER - RECEIVERS . | | |
| 08-13-12-01-1008 | FREE SPACE MOBILE AND LONG - RANG TELEPHONE SETS . | | |
| 08-13-12-01-1009 | METER FOR LOADING AND UNLOADING TANK TRUCKS DIFFERENT SIZES C/W ACCESSORIES, SPARES, STRAINERS & FILTERS . | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-12-01-1010 | MATERIALS FOR COATING & REPAIR OF SPIRAL PIPES CONSISTING OF : - EPOXY - ADHESIVE - H.D. POLYETHYLENE | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-02 : REHABILITATION/REVAMPING OF EXISTING

INSTALLATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-12-02-1015 | STOPPLING MACHINES, COMPLETE WITH EQUIPMENT, VALVES, FITTINGS & ACCESSORIES TO BE USED FOR(14) INCHES L.P.G PIPE LINE. SUPPLIER SHOULD INSTALL, OPERATE, COMMISSION & TRAIN OUR TECHNICIANS TO OPERATE SUCCESSFULLY THE ABOVE MACHINE. | | |
| 08-13-12-02-1016 | EQUIPMENT & MATERIALS WITH SERVICES FOR REHABILITATION & UP GRADING OF PUMPING STATIONS & DEPOTS INCLUDING REPLACEMENT OF THE EXISTING PROGRAMMABLE LOGIC CONTROLS & MODULE CABINETS, ENGINEERING SERVICES TO DESIGN THE SYSTEM ENGINEERING FOR COMMISSIONING & INSTALLATION OF THE CONTROL SYSTEM & OTHER REQUIRED ACCESSORIES: CABLES, SENSING, TELEMETRY, HIGH & LOW VOLTAGE DISTRIBUTION EQUIPMENT INCLUDING SWITCHGEAR, TRANSFORMERS, CIRCUIT BREAKERS, FITTINGS, MOTORS, HARDWARE, SOFTWARE. | | |

MINISTRY OF OIL

SHEET NO.: 5 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|--|-----|------|
| 08-13-12-04-1020 | FIRE FIGHTING VEHICLES COMPLETE WITH ALL RECOMMENDED EQUIPMENT & ACCESSORIES SPARES. | | |
| 08-13-12-04-1021 | FIRE FIGHTING SERVICE WATER PUMPS ELECTRICAL & DIESEL DRIVEN SKID MOUNTED WITH ACCESSORIES & SPARES. | | |
| 08-13-12-04-1022 | SAFETY EQUIPMENT WITH PERSONNEL PROTECTIVE REQUIREMENTS INCLUDING CLOTHING, FOOT-WARE, OXYGEN APPARATUS COMPLETE WITH OTHER ACCESSORIES. | | |
| 08-13-12-04-1023 | SERVICE VEHICLES FOR FIRE FIGHTING. | | |
| 08-13-12-04-1024 | SKIMMERS CONSISTING OF: HYDRAULIC PUMPS, SUCTION HOSES, STORAGE TANKS, BOOMS . | | |

MINISTRY OF OIL

SHEET NO.: 6 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-05-1030 | SPARES FOR EXISTING VEHICLES, CRANES AND EARTH MOVING EQUIPMENT COMPRISING DIFFERENT TYPES & SIZES. | | |
| 08-13-12-05-1031 | EQUIPMENT & MATERIALS FOR MECHANICAL & ELECTRICAL WORKSHOPS INCLUDING OVER - HEAD LIFTING CRANES LATHE, CUTTING, PUNCHING, DRILLING, WELDING, STIPLING...ETC. MACHINES C/W ACCESSORIES & SPARE PARTS. | | |
| 08-13-12-05-1032 | OIL PURIFIER & DRYING UNIT (MECHANICAL ELECTRICAL SYSTEM C/W ACCESSORIES & SPARE WHEEL MOUNTED) | | |
| 08-13-12-05-1033 | SEWAGE AND OIL SPILLS VEHICLES. | | |
| 08-13-12-05-1034 | AMBULANCES. | | |
| 08-13-12-05-1035 | TIPPING TRUCK(12) M3 | | |
| 08-13-12-05-1036 | TRUCK WITH (8000) LTR DRINKING WATER TANK. | | |
| 08-13-12-05-1037 | HEAVY DUTY RECOVERY TRUCK (20) TONS. | | |
| 08-13-12-05-1038 | WHEEL LOADER (2)M3 SHOVEL.. | | |
| 08-13-12-05-1039 | HYDRAULIC TRUCK CRANE 30/50 TONS | | |
| 08-13-12-05-1040 | AERIAL LIFT VEHICLES | | |
| 08-13-12-05-1041 | WHEEL HYDRAULIC EXCAVATOR. | | |
| 08-13-12-05-1042 | VEHICLES, LAND CRUISER TYPE FOR FIELD AND ROAD TRANSPORTATION. | | |

MINISTRY OF OIL

SHEET NO.: 7 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-06-1050 | LAB EQUIPMENT & MATERIAL FOR QUALITY CONTROL OF OIL PRODUCTS. | | |
| 08-13-12-06-1051 | EQUIPMENT & MATERIAL FOR PLANT SURVEY. | | |
| 08-13-12-06-1052 | ENGINEERING CONSULTANCY FOR PLANT ASSESSMENT SURVEY. | | |
| 08-13-12-06-1053 | STANDARD CALIBRATION TANKS (PROVER) FOR TOP LOADING. | | |
| 08-13-12-06-1054 | MEASUREMENTS & TESTING EQUIPMENT. | | |

MINISTRY OF OIL

SHEET NO.: 8 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-07-1060 | EQUIPMENT & MATERIALS FOR CONTINUATION & COMPLETION OF PIPE LINE NET-WORK TO TRANSPORT FUEL TO THE POWER GENERATING STATION AT:- BAJI/YOUSFYA/NORTH DIBIS/ANBAR NORTH WEST/SALAH AL DIN/NORTH RUMAILA/NASSRIYA/HADITH/NAJAFF/MUSSIAB & OTHER STATIONS INCLUDING : LINE PIPE OF DIFFERENT SIZE & SCHEDULES, BASE & FACTORY COATED WITH HEAT-SHRINKABLE SLEEVES & APPLICATION KITS. THERMAL INSULATION MATERIALS, WRAPPING TAPE WITH PRIMER PLASTIC SPACERS & SEALS WITH METAL CLAMPS LINE - BREAK VALVES, VALVES, FITTING, STEAM TRAPS, VENTING GASKET, BOLTS, NUTS, FLANGES...ETC. FABRICATED STORAGE TANKS OF DIFFERENT TYPES & SIZE WITH ALL NECESSARY ACCESSORIES, FIRE FIGHTING, DETECTION SYSTEM, INSTRUMENTS, ELECTRICAL, EARTHING, THERMAL INSULATION MATERIALS, MIXERS, HEATING SYSTEM, CONSTRUCTION CONSUMABLES, WELDING ELECTRODES DIFFERENT TYPES, SIZES & PAINTS FIRE FIGHTING SYSTEM FOR THE PUMP STATIONS INCLUDING WATER & FOAM SYSTEM, PUMPS, PIPING NETWORK, HYDRANTS, MONITORS, HOSE REEL CABINETS, FIRE DETECTORS, FIRE EXTINGUISHERS...ETC. | | |

MINISTRY OF OIL

SHEET NO.: 9 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
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|-------------------------|--|--|--|
| 08-13-12-07-1061 | FABRICATED PIG-LAUNCHING RECEIVING TRAPS C/W PIGS, PIG LOADING & UNLOADING FACILITIES , PIG INDICATORS, WITH ALL ACCESSORIES INCLUDING PIPES VALVES, FITTING, VENTING GASKET, INSULATING, JOINTS & KITS, BOLTS & NUTS, FLANGES...ETC. FABRICATED DRAINAGE VESSELS WITH ACCESSORIES LIKE SUMP PUMPS, STEEL STRUCTURE...ETC. SKID - MOUNTED METERING SYSTEM, CONTROLS, CONTROL-PANELS, CABLE, INSTRUMENTATION, GAUGES, INDICATORS, TRANSMITTERS, INDUSTRIAL COMPUTERS, VALVES, CONTROL-VALVES...ETC. ELECTRICAL SWITCH GEAR, DISTRIBUTION BOARDS, CABLES, PORCELAIN INSULATORS, TRANSFORMERS LIGHTING FITTING & OTHER ACCESSORIES LIKE JOINTING KITS, LUGS. TERMINALS...ETC. | | |
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MINISTRY OF OIL

SHEET NO.: 10 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-08 : DEVELOPMENT PROJECT/(14) INCHES

OIL PRODUCTS PIPELINE

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-12-08-1065 | <p>EQUIPMENT & MATERIALS FOR CONTINUATION & COMPLETION OF THE (14) INCH P/L (540) KM TO TRANSPORT LIGHT OIL PRODUCTS FROM SHUAIBA TO KARKH CONSISTING OF:</p> <ul style="list-style-type: none"> - MAIN PUMPING UNITS C/W ACCESSORIES. - BOOSTER PUMPING UNITS C/W ACCESSORIES. - METERING FACILITIES C/W ACCESSORIES. - FILTER SEPARATORS C/W ACCESSORIES. - FILTERS C/W ACCESSORIES. - PRESSURE REDUCTION STATIONS. - INSTRUMENTATION INCLUDING MOTORIZED VALVES, RELIEF VALVES, DENSITY METERS,...ETC - DRAINAGE VESSELS WITH PUMPS. - VALVES, FITTINGS. - TELECOM CONTROL & MONITORING EQUIPMENT. - WELDING ELECTRODES. - HEAT SHRINKABLE SLEEVES. - CONSUMABLE MATERIALS FOR CONSTRUCTION. - TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY. | | |

MINISTRY OF OIL

SHEET NO.: 11 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

**PROJECT -12-09 : DEVELOPMENT PROJECT /HARTHA FUEL
OIL PIPELINE**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-09-1069 | EQUIPMENT & MATERIALS FOR CONTINUATION AND COMPLETION LINE PIPE CARBON STEEL DIFFERENT DIAMETERS(16-24) INCHES, 70 KM LONG TO TRANSPORT FUEL OIL FROM SOUTH REFINERY TO HARTHA POWER STATION COMPLETE WITH THE FOLLOWING: -LINE BREAK VALVES, VALVES,PIPE FITTINGS, STEAM TRAPS, VENTING, GASKETS,BOLTS & NUTS, FLANGES. -THERMAL INSULATION MATERIALS. -WELDING ELECTRODES DIFFERENT TYPES & SIZES. -METERING SYSTEM AND CONTROL PANELS, CABLES, INSTRUMENTATION, GAUGES. -ELECTRICAL SWITCH GEAR, DISTRIBUTION BOARDS, TRANSFORMERS, LIGHTING FIXTURES. -CATHODIC PROTECTION & ACCESSORIES. -TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY. | | |

LOCATION : ALL AREAS

**PROJECT -12-10 : DEVELOPMENT PROJECT/DEPOTS FOR
OIL PRODUCTS**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-12-10-1072 | CONTINUATION & COMPLETION OF THE LIGHT OIL STORAGE TANKS IN DEPOTS AND PUMPING STATIONS INCLUDING INTERNAL PIPELINE NETWORK, VALVES,FITTINGS, WELDING ELECTRODES, PUMPS & MOTORS, LOADING ARMS, INSTRUMENTATION, CONTROL EQUIPMENT, ELECTRICAL MATERIALS FIRE FIGHTING EQUIPMENT CABLES AND ANY OTHER ACCESSORIES REQUIRED FOR THE PROJECT. | | |

MINISTRY OF OIL

SHEET NO.: 12 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : RUMAILA NORTH

**PROJECT -12-11 : DEVELOPMENT PROJECT/GAS COMPRESSORS IN
RUMAILA - NORTH**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------|------------------|-----|------|
|------|------------------|-----|------|

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|-------------------------|--|--|--|
| 08-13-12-11-1075 | EQUIPMENT & MATERIALS FOR CONTINUATION AND COMPLETION FOR REHABILITATION OF DRY GAS COMPRESSORS, RUMAILA-NORTH INCLUDING THE FOLLOWING: MAINTENANCE OF MAIN COMPRESSORS, INSTALLATION OF NEW COMPRESSOR, PIPE FITTINGS, VALVES, CONTROL, MONITORING EQUIPMENT, ELECTRICAL EQUIPMENT, FITTINGS, CABLES, BOARDS, RELAYS, SWITCH GEARS, TELECOMMUNICATION EQUIPMENT MOTORS...ETC. TECHNICAL ASSISTANCE & ENGINEERING CONSULTANCY. | | |
|-------------------------|--|--|--|

LOCATION : ALL AREAS

**PROJECT -12-12 : DEVELOPMENT PROJECT/(42) INCHES DRY GAS
PIPE LINE FROM BAGHDAD TO BAJI**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-12-12-1078 | EQUIPMENT & MATERIALS FOR CONSTRUCTION A NEW (42) INCHES P/L (220) KM TO TRANSPORT DRY GAS FROM BAGHDAD TO BAJI, CONSISTING OF:-C.S PIPE LINE (42) INCHES, PRE-COATED PLUS FITTINGS & VALVES. HEAT SHRINKABLE SLEEVES, WRAPPING TAPE & PRIMER, WELDING ELECTRODES, PRESSURE REDUCTION STATIONS C/W ACCESSORIES, METERING FACILITIES C/W ACCESSORIES, CONSUMABLE MATERIALS & ACCESSORIES.. PIG LAUNCHING & RECEIVING TRAPS. CATHODIC PROTECTION WITH ACCESSORIES. | | |

MINISTRY OF OIL

SHEET NO.: 13 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

PROJECT -12-13 : DEVELOPMENT PROJECT/(10) INCHES OIL

FROM BASRAH TO EMARAH PRODUCTS PIPELINE

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------|-------------------------|------------|-------------|
|-------------|-------------------------|------------|-------------|

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|-------------------------|--|--|--|
| 08-13-12-13-1080 | EQUIPMENT AND MATERIALS FOR CONTINUATION A NEW (10) INCHES P/L (180) KM TO TRANSPORT LIGHT OIL PRODUCTS FROM BASRAH TO EMARAH. CONSISTING OF: C.S PIPE LINE (10) INCHES PRECOATED, PLUS FITTINGS, HEAT SHRINKABLE SLEEVES WRAPPING TAPE AND WELDING ELECTRODES, MAIN PUMPING UNITS C/W ACCESSORIES, BOOSTER PUMPING UNITS C/W ACCESSORIES, METERING FACILITIES C/W ACCESSORIES, FILTER SEPARATORS C/W ACCESSORIES. PRESSURE REDUCTION STATIONS. INSTRUMENTATION INCLUDING, MOTORIZED VALVES, RELIEF VALVES, DENSITY METERS ...ETC. DRAINAGE VESSELS WITH PUMPS, TELECOM CONTROL AND MONITORING EQUIPMENTS, ELECTRICAL, CONTROL, TELECOM, CABLES, CATHODIC PROTECTION WITH ACCESSORIES, TECHNICAL ASSISTANCE AND ENGINEERING CONSULTANCY. | | |
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MINISTRY OF OIL

SHEET NO.: 14 OF 14

ESTABLISHMENT NAME : OIL PIPELINES COMPANY

LOCATION : ALL AREAS

**PROJECT -12-14 : DEVELOPMENT PROJECT/(8) INCHES L.P.G.
PIPELINE FROM RUSSAFA TO BAQUBBAH**

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-12-14-1083 | EQUIPMENT AND MATERIALS FOR CONSTRUCTION OF A NEW(8) INCHES P/L (40) KM TO TRANSPORT L.P.G. FROM RUSSAFA TO BAQUBBAH FILLING PLANT IN DIALLAH, CONSISTING OF :- C.S. PIPE LINE (8) INCHES, PRE-COATED, PLUS FITTINGS, VALVES, HEAT-SHRINKABLE SLEEVES, WRAPPING TAPE AND PRIMER, WELDING ELECTRODES, PIG LAUNCHING TRAP AND PIG RECEIVING TRAP PRESSURE REDUCTION AND METERING STATION CONSISTING OF: MOTORIZED VALVE, FILTERS, VALVES, SAFETY RELIEF VALVES, CONTROL VALVES METERS, CONTROL PANEL, DENSITY METER, POWER AND CONTROL CABLES, AIR COMPRESSOR AND DRYER FOR CONTROL VALVE PLUS SUPERVISION OF INSTALLATION AND COMMISSIONING OF THE STATION, CATHODIC PROTECTION WITH ACCESSORIES . | | |

LOCATION : NAJAF

PROJECT -12-15 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------|-------------------------|------------|-------------|
|-------------|-------------------------|------------|-------------|

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|-------------------------|---|--|--|
| 08-13-12-15-1086 | EQUIPMENT AND MATERIALS FOR CONSTRUCTION OF A NEW (24) IN. DIA., 85 KM LONG PIPELINE LINKING THE (42) IN. DRY GAS PIPELINE TO THE NAJAF POWER STATION WITH ALL SUPPORTING SYSTEMS AND ANCILLARIES | | |
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MINISTRY OF OIL

SHEET NO.: 1 OF 3

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.

LOCATION : ALL AREAS

PROJECT -13-01 : MAINTENANCE & OPERATION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-13-01-1100 | FUEL DISPENSERS SINGLE AND DOUBLE HOSE 70L/MIN | | |
| 08-13-13-01-1101 | UNIT FUEL PUMPS HIGH FLOW 180 L/ MIN | | |
| 08-13-13-01-1102 | SUBMERSIBLE PUMP ASSY | | |
| 08-13-13-01-1103 | ELECTRIC CONTROL EQUIPMENT | | |
| 08-13-13-01-1104 | S.P. FOR FUEL DISPENSERS | | |
| 08-13-13-01-1105 | OPEN SYSTEM LOADING ARMS SIZE (3" ,4" 6") | | |
| 08-13-13-01-1106 | POSITIVE DISPLACEMENT METER SIZE (1.5",3",6",8") | | |
| 08-13-13-01-1107 | DETARATOR FOR PD SMITH METER | | |
| 08-13-13-01-1108 | S.P. FOR POSITIVE DISPLACEMENT METERS (VARIOUS TYPES) | | |
| 08-13-13-01-1109 | PIPES AND FITTING AND VALVES VARIOUS TYPES | | |
| 08-13-13-01-1110 | WELDING ELECTRODES E 6010 , E 6013 ,E 7018 | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 3

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.

LOCATION : ALL AREAS

PROJECT -13-03 : SUSTAINING & ENHANCING PRODUCTION

CAPABILITIES

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-13-03-1115 | FIXED AND FLOATING ROOF PRODUCTS TANKS CAP. 5000 M3,10000 M3 WITH ALL ACC. | | |

LOCATION : ALL AREAS

PROJECT -13-04 : SAFETY & ENVIRONMENTAL PROTECTION

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------|-------------------------|------------|-------------|
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|-------------------------|--|--|--|
| 08-13-13-04-1120 | FIRE FIGHTING WATER PUMP (VARIOUS TYPES) | | |
| 08-13-13-04-1121 | S.P. FOR FIRE FIGHTING EXTINGUISHER | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 3

ESTABLISHMENT NAME : OIL PRODUCTS DISTRIBUTION CO.

LOCATION : ALL AREAS

PROJECT -13-05 : SERVICE & PLANT EQUIPMENT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-13-05-1125 | S.P. FOR LIGHT TRUCK | | |
| 08-13-13-05-1126 | WHEEL LOADER BUCKET CAP. 2M3 | | |
| 08-13-13-05-1127 | TRUCK TRACTORS WITH SEMI TRAILER | | |
| 08-13-13-05-1128 | AIR CRAFT REFUELLER | | |
| 08-13-13-05-1129 | TYRES FOR TRUCK TRACTORS (VARIOUS TYPE) | | |
| 08-13-13-05-1130 | S.P. FOR VARIOUS TRUCK TRACTORS | | |
| 08-13-13-05-1131 | HEAVY TRUCK WORKSHOP MAINTENANCE EQUIPMENT & TOOLS | | |

LOCATION : ALL AREAS

PROJECT -13-07 : DEVELOPMENT PROJECT

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|---|------------|-------------|
| 08-13-13-07-1137 | HIGH PRESSURE HOSE MANUFACTURING PLANT FOR FUEL OIL, HYDRAULIC, HOT WATER, STEAM, AIR, ACID & BASE HOSES. FOR PRESSURE UP TO 500 BAR | | |

MINISTRY OF OIL

SHEET NO.: 1 OF 4

ESTABLISHMENT NAME : OIL TRAINING INSTITUTE

LOCATION : BAGHDAD,BAIJL,BASRAH

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-14-06-1150 | OIL WELL CEMENTING SKID UNIT WITH SPARE PARTS, INSTALLATION , COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1151 | DRILLING RIG EQUIPMENT WITH SPARE PARTS. | | |

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| 08-13-14-06-1152 | EQUIPMENT AND SIMULATORS FOR PETROLEUM WORKSHOPS AND LABORATORIES WITH SPARE PARTS . | | |
| 08-13-14-06-1153 | CORE LAB. EQUIPMENT AND APPARATUS WITH SPARE PARTS. | | |
| 08-13-14-06-1154 | DRILLING RIG FOR TRAINING SMALL SIZE C/W ALL ACCESSORIES WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING | | |
| 08-13-14-06-1155 | DRILLING FLUID AND CEMENTING LAB. EQUIPMENT AND APPARATUS WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING | | |
| 08-13-14-06-1156 | EQUIPMENT FOR DRILLING RIG MECHANICS WORKSHOP WITH SPARE PARTS. | | |
| 08-13-14-06-1157 | MECHANICAL WORK SHOP EQUIPMENT AND MACHINES FOR TRAINING WITH SPARE PARTS AND TRAINING. | | |
| 08-13-14-06-1158 | THERMODYNAMIC AND HEAT TRANSFER LABORATORIES APPARATUS WITH INSTALLATION ,TRAINING AND SPARE PARTS. | | |
| 08-13-14-06-1159 | STEAM TURBINE SECTIONED FOR TRAINING | | |

MINISTRY OF OIL

SHEET NO.: 2 OF 4

ESTABLISHMENT NAME : OIL TRAINING INSTITUTE

LOCATION : BAGHDAD,BAIJL,BASRAH

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|------------------|---|-----|------|
| 08-13-14-06-1160 | CENTRAL AIR-CONDITIONING SYSTEM WITH SPARE PARTS, INSTALLATION AND TRAINING. | | |
| 08-13-14-06-1161 | ENGINEERING INSPECTION WORKSHOP EQUIPMENT WITH SPARE PARTS. | | |
| 08-13-14-06-1162 | MECHANICAL EQUIPMENT FOR OIL SERVICES WORKSHOP WITH SPARE PARTS. | | |
| 08-13-14-06-1163 | PUMPS, COMPRESSORS AND TURBINES FOR TRAINING WITH SPARE PARTS AND TRAINING. | | |
| 08-13-14-06-1164 | WELDING AND CUTTING MACHINES AND EQUIPMENT FOR TRAINING WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1165 | MECHANICAL LABORATORIES APPARATUS FOR TRAINING WITH SPARE PARTS AND TRAINING. | | |

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| 08-13-14-06-1166 | AUTOMATED CONTINUOUS ADSORPTION PILOT PLANT FOR TRAINING WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1167 | AUTOMATED LIQUID- LIQUID EXTRACTION PILOT PLANT FOR TRAINING WITH SPARE PART , INSTALLATION , COMMISSIONING AND TRAINING. | | |

MINISTRY OF OIL

SHEET NO.: 3 OF 4

ESTABLISHMENT NAME : OIL TRAINING INSTITUTE

LOCATION : BAGHDAD,BAIJL,BASRAH

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-14-06-1168 | INDUSTRIAL CHEMISTRY EQUIPMENT WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING | | |
| 08-13-14-06-1169 | AIR POLLUTION MONITORING UNIT FOR TRAINING WITH SPARE PARTS. | | |
| 08-13-14-06-1170 | CHEMICAL LABORATORY EQUIPMENT WITH SPARE PART AND TRAINING. | | |
| 08-13-14-06-1171 | CONTINUOUS FRACTIONAL CRUDE- OIL PLANT FOR TRAINING WITH SPARE PARTS ,INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1172 | REVERSE OSMOSIS WATER TREATMENT UNIT FOR STEM GENERATING WITH ALL ACCESSORIES WITH SPARE PARTS ,INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1173 | NATURAL GAS TREATMENT UNIT PILOT PLANT FOR TRAINING WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1174 | ELECTRONIC - PNEUMATIC EQUIPMENT WITH SPARE PARTS , INSTALLATION , COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1175 | BENCH FOR TESTING AND EXPERIMENTS IN ELECTRICAL INSTALLATIONS WITH SPARE PARTS. | | |

MINISTRY OF OIL

SHEET NO.: 4 OF 4

ESTABLISHMENT NAME : OIL TRAINING INSTITUTE

LOCATION : BAGHDAD,BAIJL,BASRAH

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

| CODE | ITEM DESCRIPTION | QTY | UNIT |
|-------------------------|--|------------|-------------|
| 08-13-14-06-1176 | COMPLETE DISTRIBUTED CONTROL SYSTEM FOR TRAINING WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1177 | INDUSTRIAL ELECTRONICS LABORATORY WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1178 | DIESEL POWER PLANT FOR TRAINING WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1179 | 3PHASE INDUCTION MOTOR (I.M) SPEED CONTROL PANEL (FULLY EQUIPPED) WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1180 | PROCESS CONTROL SIMULATOR WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1181 | SWITCHING POWER SUPPLIES WITH SPARE PARTS, INSTALLATION, COMMISSIONING AND TRAINING. | | |
| 08-13-14-06-1182 | ELECTRICAL TRAINING WORKSHOP EQUIPMENT AND APPARATUS WITH SPARE PARTS. | | |
| 08-13-14-06-1183 | MEASUREMENT AND CONTROL EQUIPMENT FOR TRAINING WITH SPARE PARTS. | | |