

LIST OF OIL & GAS PRODUCTION FACILITIES CONTRACTS. (2003-2022)

Sl. #	Contract #	Contract Title	Approx Value	Period		Client	Location	Scope of Work
				From	To			
01	20157422	Jurassic Production Facility – 4 (JPF4) at North Kuwait	USD 398 Million	2021	2029	Kuwait Oil Company	North Kuwait	<p>Project Scope comprises of design, engineering, fabrication, installation, testing, pre-commissioning, commissioning, O&M of Jurassic Production Facility (JPF) with a capacity of processing 50 STMBOPD Oil and 150 MMSCFD Gas & 240 TPD of molten sulphur in North Kuwait comprising of the following major process systems:</p> <ul style="list-style-type: none"> •Crude Oil Processing •Gas/Oil Separation Plant •Crude Dehydration & Desalting Plant •Crude Stabilization Plant •Stabilized Crude Measurement & Export System •Gas Compression Plant •Gas Sweetening Plant •Gas Dehydration Plant •Vapor Recovery Units •Gas Metering & Export System •Plant Refrigeration •Fire Water System •Sulphur Recovery Unit •Tail Gas Treating Plant •Incineration & Flare System •Raw Water Treating Plant •Effluent Water Treatment Plant & Disposal Systems •Chemical Injection Systems •Steam Systems- Heat Recovery Steam Generators & WH Boilers •Electrical Power Generation Plant •Plant Control & Safety Systems •Data Communication System •Control Room, MCC Building, Workshops Other Supporting Utilities

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02	16052988	Jurassic Production Facility - 3 (JPF-3) – North Kuwait	USD 377 Million	2016	2023	Kuwait Oil Company	North Kuwait	<p>Project Scope comprises of design, engineering, fabrication, installation, testing, pre-commissioning, commissioning, O&M of Jurassic Production Facility (JPF) with a capacity of processing 40 STMBOPD Oil and 104 MMSCFD Gas & 200 TPD of molten sulphur in North Kuwait comprising of the following major process systems:</p> <ul style="list-style-type: none"> • Crude Oil Processing • Gas/Oil Separation Plant • Crude Dehydration & Desalting Plant • Crude Stabilization Plant • Stabilized Crude Measurement & Export System • Gas Compression Plant • Gas Sweetening Plant • Gas Dehydration Plant • Vapor Recovery Units • Gas Metering & Export System • Plant Refrigeration • Fire Water System • Sulphur Recovery Unit • Tail Gas Treating Plant • Incineration & Flare System • Raw Water Treating Plant • Effluent Water Treatment Plant & Disposal Systems • Chemical Injection Systems • Steam Systems- Heat Recovery Steam Generators & WH Boilers • Electrical Power Generation Plant • Plant Control & Safety Systems • Data Communication System • Control Room, MCC Building, Workshops • Other Supporting Utilities
03	16052988 AO # 3	Phase 1 Upgrade of Jurassic Production Facility – North Kuwait	USD 118 Million	2021	2023	Kuwait Oil Company	North Kuwait	<p>Upgrade of the Oil Treatment System & Gas Treatment System of JPF to increase production capacity of Gas from 104 mmscfd to 150 mmscfd and Oil from 40 MBOPD to 50 MBOPD</p>

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04	37195 & 18052492 GSF Turnkey EPC and upgradation and then continuation of the contract in back to back contract 18052492.	Expansion of Gas Sweetening Facility (GSF) in West Kuwait & Associated Services. Expansion of Gas Sweetening Facility (GSF), West Kuwait, by adding a new train thereby increasing capacity of existing gas facility from 50 MMSCFD to 90 MMSCFD.	USD 102 Million	2018	2022	Kuwait Oil Company	West Kuwait	The scope of Services to be performed by the Contractor comprises of the following: Stage-I of additional GSF Train Build an additional GSF Train for an operating capacity of 40 MMSCFD which shall be tied in and integrated with existing GSF built and operated under the Contract No. 37195. including design, engineer, procure, construct, carry out all tie-ins with existing facilities, carry out all tie-ins with export gas (both GSFs) to HP export line (700 -750 psig), test, commission and carry out O&M.
05	36016	Gas Compression Services for GC-16 & Gas Re-injection in Minagish (GCP/GRIP)	USD 70 Million	2008	2019	Kuwait Oil Company	West Kuwait	Contract to design, build, test, commission, operate & maintain Gas Compression Package (GCP) near GC-28 at TP-4 using the gas from GC 16 & 28 and Gas Re-Injection Package (GRIP) near wells MN 129 & MN 140. Commemorated by KOC, WK for SPETCO's contribution in reduction of Gas flaring from 40% to less than 1%. Scope of Work: <ul style="list-style-type: none"> Design, Engineering, Supply, Installation, Commissioning, Operations and Maintenance of Gas Compression Package (GCP) near GC-28 at TP-4 using the gas from GC 16 & 28 and Gas Re-Injection Package (GRIP) near wells MN 129 & MN 140. Detailed engineering of the GCP & GRIP and all associated facilities. Equipment Fabrication & Manufacturing Site Construction & commissioning of GCP & GRIP & related facilities. Operate the GCP & GRIP to deliver the gas to specifications required by KOC. Maintenance of GCP & GRIP

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06	15051224	Operations Services for 50MBOPD EPF at North Kuwait	USD. 26 Million	2015	2021	Kuwait Oil Company	North Kuwait	Operate on assigned shift, all equipment of assigned units within the EPF-50 plant with all associated facilities e.g. Crude Oil sweetening facilities and Gas sweetening facilities, Sulphur Recovery units (SRU's) along with all support facilities such as Utilities, steam generation system by Monitoring Workstations The facilities to be operated within design specification and conform to KOC operating guidelines.
07	28916	Early Production Facilities of 50 MBOPD capacity for North Kuwait Jurassic Production (EPF-50)	USD 320 Million	2007	2014	Kuwait Oil Company	North Kuwait	<p>Contract to build, own & operate an Early Production Facility to process 50 MBOPD of crude & 175 mmscfd of gas</p> <p>Scope of Work:</p> <ul style="list-style-type: none"> • Design, Engineering, Supply, Installation, Commissioning, Operations and Maintenance of an Early Production Facility (EPF) for KOC for treating of sour crude and gas to remove the H2S and transfer the sweet products to KOC Gathering Centre. • 24 Production wells from a deep Jurassic reservoir to produce to this facility. • Light sour crude of API 44 to 46. • H2S upto 20,000 ppm. • Design, Engineering and construction of approximately 330 kms of 6" flowline and 12 kms Export Pipeline. • 50,000 bbl/day Sweet Crude Export • 175 mmscfd Sweet Dehydrated Gas Export. • 135 TPD Sulfur Recovery Unit • 22% Design Maximum water Cut • Detailed engineering of the EPF and all associated facilities. • Equipment Fabrication & Manufacturing • Site Construction & commissioning of EPF & related facilities. • Operate the EPF to deliver the crude & gas to specifications required by KOC. • Maintenance of EPF
08	98B-224 Adjustment Order # 06	Horizontal Pumping Systems (HPS) for Enhanced Effluent	USD. 6 Million	2003	2007	Kuwait Oil Company	KOC South East Kuwait Near GC-2	Network of HPS for enhanced disposal of effluent water in South East Kuwait. This enhanced HPS network is capable of disposal of about 50,000 BPD of effluent water into two disposal wells.

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		Water Disposal in South East Kuwait						<ul style="list-style-type: none"> • Design, Engineering, Installation and Operations of Horizontal Pumping Systems for GC-1, GC-6, GC-11 and GC-2 on a lease basis. • Maintain inventory of the water disposal in South East Kuwait. • Maintain the level in the Holding Tank at GC – 2.
09	98B-224 Adjustment Order # 05	Early Production Facilities for SA-153	KD 4.6 Million	2003	2007	Kuwait Oil Company	North Kuwait Near GC-23	<p>Owned and operated on a lease basis an Early Production Facility (EPF) for processing and testing of sour crude and gas from a new light oil discovery in North Kuwait. The facility strips the H₂S in the inlet crude and gas and transfers the sweet products to KOC GC-23.</p> <p>Scope of Work:</p> <ul style="list-style-type: none"> • Design, Engineering, Supply, Installation, Commissioning, Operations and Maintenance of an Early Production Facility (EPF) for KOC for treating of sour crude and gas to remove the H₂S and transfer the sweet products to KOC Gathering Centre. This facility comprises of 2 stages of separators, Amine Contactors, Amine Still column for DGA regeneration, Fuel gas powered Hot Oil media Heater, Crude Oil Stabilizer tower, Flare system, Thermal Oxidizer for incineration of H₂S, Chilled Water Unit, etc. • Design, Engineering and construction of approximately 17 kms of flowline and product lines of 4”, 6” and 8” on a turnkey basis • Simulations of process using PRO 11 process simulation software • Reduction of the H₂S concentration in the treated crude down to less than 70 ppm and treated sweet gas to less than 4 ppm from the inlet stream H₂S concentration of 10,000 ppm. • Maintenance of independent power generation units for the facility operations.