Instrumentation Reference List

Item	Project Title	Product(s) Supplied	Brand
1	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Displacer Type Level Transmitter	Wika
2	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Coriolis Mass Flow Transmitter	Krohne
3	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Ultrasonic Flow Transmitter	Krohne
4	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Vortex Flow Transmitter	Krohne
5	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Magnetic Level Indicator	KOBOLD
6	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Pressure Gauge	Wika
7	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Differential Pressure Gauge	Wika
8	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Temprature Gauge	Wika
9	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Pressure Transmitter	Siemens
10	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Differential Pressure Transmitter	Siemens
11	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Temprature Transmitter	Metron
12	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Thermowell	Metron
13	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Safety Relief Valve	Broady
14	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Orifice Plate	Bird Precision
15	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Pressure Regulator	Broady

16	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Magnetic Level Indicator	Wika
17	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Displacer Type Level Transmitter	DDTOP
18	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Pressure Transmitter	Honeywell
19	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Differential Pressure Transmitter	Honeywell
20	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Temprature Transmitter	Honeywell
21	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Pressure Gauge	Wika
22	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Differential Pressure Gauge	Wika
23	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Temprature Gauge	Wika
24	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Control Valve	Flowtop & Mark One
25	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Vortex Flowmeter	Endress+Hauser
26	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Coriolis Mass Flowmeter	Endress+Hauser
27	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Radar Level Transmitter	Honeywell
28	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Corrosion Element	Cosasco
29	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Rotameter	Krohne
30	Engineering, procurement and construction (EPC-1) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Safety and Pressure Relief Valve	Broady
31	Engineering, procurement and construction (EPC-1) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Wellpads Control Panel	Proserv/ SMS (Alderley)/ Petro Controls
32	Engineering, procurement and construction (EPC-1) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Pig Valves	SHANGHAI KOKO VALVE GROUP CO.,LTD.
33	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Safety and Pressure Relief Valve	Broady

34	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Flow Transmitter	Honeywell
35	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Level Transmitter	Honeywell
36	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Pressure Transmitter	Honeywell
37	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Pressure Gauge	Wika
38	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Pressure Gauge With Diaphragm Seal	Wika
39	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Mechanical Pig Indicator	SHENYANG EMT PIPING TECHNOLOGY CO.,LTD.
40	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Bimetal Thermometer	Wika
41	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Magnetic Level Gauge	-
42	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Displacer Level Transmitter	DDTOP
43	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Measuring Orifice Plate	DDTOP
44	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Line Break Valve	Oilway
45	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Level Control Valve	-
46	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Pressure Control Valve	-
47	Engineering, procurement and construction (EPC-2) for Phase 1, including: Infield oil pipeline from Marun-3 to Marun-4; Marun-3 and Marun-4 modification	Control Valves Replacement M3 And M4	Emerson Process Management (Tianjin) Valve Co., Ltd.
48	Abadan new pump stations and terminals complex and Mile 40 pump station	Control Valve	-
49	Abadan new pump stations and terminals complex and Mile 40 pump station	Level Switch	-
50	Abadan new pump stations and terminals complex and Mile 40 pump station	Level Gauge	-
51	Abadan new pump stations and terminals complex and Mile 40 pump station	Level Transmitter	-

52	Abadan new pump stations and terminals complex and Mile 40 pump station	Pressure Transmitter	-
53	Abadan new pump stations and terminals complex and Mile 40 pump station	Differential Pressure Transmitter	-
54	Abadan new pump stations and terminals complex and Mile 40 pump station	Temprature Element	-
55	Abadan new pump stations and terminals complex and Mile 40 pump station	Temprature Transmitter	-
56	Development and Production Operations Service Contract for Sohrab Oil Field Pipeline Expediting Package Project	Line Break Valve	ZIGAO VALVE
57	Khuzestan Steel Company	Photovoltaic Solar System	-
58	Khuzestan Steel Company	Skid mounted high integrity pressure protection system	-
1	Hengam Petrochemical Repair	Control Valves	PARCOL
2	Hengam Petrochemical Repair	Positioner	Flowserve
3	Hengam Petrochemical Repair	Safety Valve	Pietro Fiorentini
4	Mobin Petrochemical Repair	Valve	Coyard
5	Mobin Petrochemical Repair	Flowmeter	Krohne
6	Mobin Petrochemical Repair	Analyzer	Michell
7	Mobin Petrochemical Repair	Instrumentation Hook up	Swagelok
8	Jam Petrochemical Repair	Control Valve	Metso
9	Mobin Petrochemical Repair	Level Guage	Krohne
10	Jam Petrochemical Repair	Safety Valve	Broady
11	Mobin Petrochemical Repair	Safety Valve	Broady

12	Kermanshah Petrochemical	Flow Transmiter	E+H
13	Marun Petrochemical	Instrumentation Hook up	Swagelok
14	Salman Farsi Petrochemical Company	Ultrasonic Floemeter	Krohne
15	Marun Petrochemical	Safety Valve	Broady
16	Sadaf Petrochemical	Local indicator	E+H
17	Foolad Kaveh Steel Co.	Temperature Transmitter	E+H
18	Foolad Kaveh Steel Co.	Vortex Flowmeter	E+H
19	Foolad Kaveh Steel Co.	Flow Switch	E+H
20	Mobin Petrochemical Repair	Ultrasonic Floemeter	Krohne
21	Mobin Petrochemical Repair	PROXIMITY SWITCHES	GO
22	Mobin Petrochemical Repair	LIMIT SWITCHES	HONEYWELL
23	Mobin Petrochemical Repair	FIRE & GAS DETECTORS, BEACON & SOUNDER	MEDC
24	Mobin Petrochemical Repair	COMPACT LOW DIFFERENTIAL PRESSURE SWITCHES	DWYER
27	Mobin Petrochemical Repair	PRESSURE SWITCHES	ATOS
28	Mobin Petrochemical Repair	MAGNETIC PROXIMITY SENSOR (SWITCH)	BERNSTEIN
29	Mobin Petrochemical Repair	DIFFERENTIAL PRESSURE TRANSMITTERS	DWYER
30	Mobin Petrochemical Repair	PILOT OPERATED FUEL NOZZLE PURGE VALVE	HALE HAMILTON
32	Mobin Petrochemical Repair	DIFFERENTIAL PRESSURE SWITCHES	ITT

35	Mobin Petrochemical Repair	FILTER MINDER PISTON-TYPE DIFFERENTIAL PRESSURE	MID-WEST
36	Mobin Petrochemical Repair	FLAME DETECTOR	REUTER-STOKES
38	Mobin Petrochemical Repair	FIRE AND GAS DETECTION SYSTEM	SIEGER

Fitting Reference List

Item	Project Title	Product(s) Supplied	Brand
1	Shadegan Oil Field Project	Insert Jonit	Feiting (Wuxi Beilai)

Piping Reference List

Item	Project Title	Product(s) Supplied	Brand
1	Abadan Refiner Upgrading Project (Phase 2)	Seamless Piping	Tianjin Pipe Co (TPCO)
2	Abadan Refinery Upgrading Project (Phase 2)	Welded Piping	Zhangjianga Kingland Pipeline Co
3	Abadan Refinery Upgrading Project (Phase 2)	Flange and Blank	HEBEI SHANGHENG PIPELINE MANUFACTURING CO.,LTD/ Roc-Master Kunshan
4	FPF HDPE Project	Piping	Bao Steel
5	Shadegan Oil Field Project	Line Pipe from	Wuxi Beilai
6	Shiraz Refinery Project	Piping	PM Piping Germany
7	SGL SMO Project	Piping	Elite Piping

Static Equipment Reference List

Item	Project Title	Product(s) Supplied	Brand
1	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Heavy Drums And Drum Internals	Jingsu Thorp Energy Technology
2	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Reactors Package	Jingsu Thorp Energy Technology
3	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	DOUBLE PIPE/HAIR PIN	Jingsu Thorp Energy Technology
4	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Columns And Comun Internals	Jingsu Thorp Energy Technology
5	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	NHT Fried Heaters	Jingsu Thorp Energy Technology
6	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Fried Heaters Package	Jingsu Thorp Energy Technology
7	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Critical Drums and Drum Internals (Steam Disengaging Drum)	Jingsu Thorp Energy Technology
8	Abadan Refinery Upgrading Project (ARUP Phase 2-2)	Critical Welded Plated Heat Exchanger	Alfa Laval Packinox/ Lanshi Heat Exchange Company

Rotary Equipment Reference List

Item	Project Title	Product(s) Supplied	Brand
1	Abadan new pump stations and terminals complex and Mile 40 pump station	Surface Water Pump	Dalian Deep Blue Pump Co.,LTD
2	Abadan Refinery Upgrading Project (ARUP PH 2-2)	Centrifugal Pumps Gas Oil Hydrotreater Units	Dalian Deep Blue Pump Co.,LTD
3	Abadan Refinery Upgrading Project (ARUP PH 2-2)	Centrifugal Pumps Continous Catalytic Reforming Unit	Dalian Deep Blue Pump Co.,LTD
4	Abadan Refinery Upgrading Project (ARUP PH 2-2)	Centrifugal Pumps Naphtha Hydrotreating Unit	Dalian Deep Blue Pump Co.,LTD
5	Abadan Refinery Upgrading Project (ARUP PH 2-2)	Centrifugal Vertical Suspended Pump with related Etectro Motor	Dalian Deep Blue Pump Co.,LTD
6	Abadan Refinery Upgrading Project (ARUP)	Centrifugal Pumps Natural Gas and Fuel System	Shandong Emmecom Pumps CO.,LTD
	Abadan Refinery Upgrading Project (ARUP)	Non-essential Process Centrifugal Pumps Tankage Area	Dalian Deep Blue Pump Co.,LTD
6	Esfahan Oil refinery Upgrading & Petrochemical	Canned Pumps	Hayward Tyler/ Teikoku/ Yuemax
7	Esfahan Oil refinery Upgrading & Petrochemical	High Speed Centrifugal Pumps	Wikow Pump
8	Distillate Hydrotreating Project, Shiraz Oil Refinery	Charge Pumps	Dalian Deep Blue Pump Co.,LTD
9	Treated Distillate Aromatic Extraction Project (TDAE)- Isfahan	Centrifugal Pumps	Dalian Deep Blue Pump Co.,LTD
10	Base Oil Unit (Group II & III) Project (HDT)- Isfahan	Centrifugal Pumps	Dalian Deep Blue Pump Co.,LTD
11	Kermanshah Refinery Fuel Oil Upgrading, Vacuum Distillation, and Treatment of Fuel Oil and Gas Oil Project	Progressive Cavity Pump for VDU	Weifang Subtor Rotating Precision Machinery Co., Ltd.
12	Kermanshah Refinery Fuel Oil Upgrading, Vacuum Distillation, and Treatment of Fuel Oil and Gas Oil Project	Positive Displacement Reciprocating Pumps for CVU	Damapu
13	BANDAR ABBAS GAS CONDENSATE REFINERY PROJECT	Feed Water Pump	HEFEI HUASHENG PUMPS & VALVES CO., LTD./SHANDONG EMMECOM PUMPS CO.,LTD

14	BANDAR ABBAS GAS CONDENSATE REFINERY PROJECT	Degassed Sulphur Pumps	Dalian Deep Blue Pump Co.,LTD