



DRILLING REFERENCE LIST IN IRAN

Row	Project	End-User	Material Description	Year
1	Azadegan	Mapna Drilling	Hydraulic Elevator	2016
2	Intricate oilfields of NISOC in Ilam	POGDC - PEDEC	Manual Rig Tong and Spare Part	2016
3	Intricate oilfields of NISOC in Ilam	Persia Oil&Gas Drilling	Manual Tong	2016
4	South Pars Gas Field Development Phase 13	POGC	Drill Collar(9 1/2", 8 1/4", 5 1/2")	2015
5	Forooz B	Mapna Drilling	Handling Tools (Hand Slip, Elevator and Safety Clamp)	2015
6	Forooz B	Mapna Drilling	HYC Slip Type Elevator	2015
7	Forooz B	Mapna Drilling	Pneumatic Spider Elevator	2015
8	South Pars Gas Field Development Phase 13	POGC	HWDP	2015
9	Forooz B	Mapna Drilling	Manual Tong(30"-2 3/8")	2015
10	Forooz B	Mapna Drilling	Tubing Power Tong(5 1/2"-2 3/8")	2015
11	Forooz B	Mapna Drilling	Power Tong(20"-7")	2015
12	Forooz B	Mapna Drilling	Computer Analyzer	2015
13	Intricate oilfields of NISOC in Ilam	POGDC	Hydraulic Spinning Wrench	2014
14	Intricate oilfields of NISOC in Ilam	POGDC	Manual Rig Tong and Sp are Part	2014
15	Intricate oilfields of NISOC in Ilam	POGDC	Drill Pipe Elevator DDZ 5 1/2" IEU 350T	2014



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16	Azadegan	Mapna Drilling	Hand Slips and Insert	2014
17	Intricate oilfields of NISOC in Ilam	POGDC - PEDEC	Penumatic Spinning Wrench Q250 and Spare Parts(Air Tube and Air Motor)	2014
18	South Pars Gas Field Development Phase 13	POGC	API Drift, Teflon Type, Suitable for Liner 5" , 18ppf	2014
19	South Pars Gas Field Development Phase 13	POGC	Lifting Nub, 5" 18ppf, L-80, Flush Connection Pin with 5-1/2" Drill pipe Elevator Recess Variation	2014
20	South Pars Gas Field Development Phase 13	POGC	5"OD/18#/L80/Flush Joint connection/R3 Casing manufactured as per API 5CT latest edition complete with thread protectors installed on both ends	2014
21	South Pars Gas Field Development Phase 13	POGC	Fishing Tools (Overshots, Fishing Bumper Subs, Junk Baskets (Reverse Circulation), Magnet Fishing Tools, Taper Taps, Impression Block)	2014
22	South Pars Gas Field Development Phase 13	POGC	Handling Tools (Drill Pipe Elevators, Drill Collar Elevators, Drill Pipe Hand Slips, Drill Collar Slips, Drill Collar Safety Clamps, Drill Collar Lifting Subs, DC Lifting Plugs/Bail, Bit Breakers, Elevator Links, Kelly Spinner, Mud Saver Bucket, Rotary Rig Tongs)	2014
23	South Pars Gas Field Development Phase 13	POGC	Spiral Drill Collar, 9 1/2"OD X 3" ID,7 5/8 REG pin x box,31ft	2014
24	South Pars Gas Field Development Phase 13	POGC	Integrate-type ,HWDP,5 1/2" OD& 3 1/2" OD, ,R2(31FT), Hardbanding:Arnco-150XT,IPC:TK34	2014
25	South Pars Gas Field Development Phase 13	POGC	Integrate-type ,Drill pipe pup joint,3 1/2" OD ,G105, ,5ft, 10ft, IPC:TK34	2014
26	South Pars Gas Field Development Phase 13	POGC	Integrate-type ,Drill pipe pup joint,5 1/2" OD ,G105,5ft, 10ft, 15ft, IPC:TK34	2014



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27	South Pars Gas Field Development Phase 13	POGC	5 1/2" Drill pipe, Grade S135, IEU, R2, API 5DP standard, Hardbanding: Arnco-150XT, IPC:TK34	2014
28	South Pars Gas Field Development Phase 13	POGC	5 1/2" & # 1/2" Drill pipe, Grade G105, IEU, R2, API 5DP, Hardbanding: Arnco-150XT, IPC:TK34	2014
29	South Pars Gas Field Development Phase 13	POGC	API Drift, Teflon Type, Suitable for Liner 5" , 18ppf	2014
30	South Pars Gas Field Development Phase 13	POGC	Lifting Nub, 5" 18ppf, L-80, Flush Connection Pin with 5-1/2" Drill pipe Elevator Recess Variation	2014
31	South Pars Gas Field Development Phase 13	POGC	5"OD/18#/L80/Flush Joint connection/R3 Casing manufactured as per API 5CT latest edition complete with thread protectors installed on both ends	2014
32	Forooz B	Mapna Drilling	16", 14", 13-5/8", 13-3/8", 11-3/4", 10-3/4", 9-5/8", 7", 5-1/2", 5", 4-1/2", 4", 3-1/2", 2-7/8", 2-3/8" HANDLING TOOLS(size x 250 Ton Side door Elevator c/w safety latch, Single joint elevator c/w slings, Size x 150 Ton Side door Elevator c/w safety latch)	2013
33	Forooz B	Mapna Drilling	30", 20", 18 5/8" HANDLING TOOLS(30" 250 Ton Side door Elevator c/w safety latch), Casing Hand Slip, Safety Clamp, Single joint elevator c/w slings,	2013
34	Forooz B	Mapna Drilling	150 ton HYC Slip Type Elevator c/w Slips for 3 1/2", 4", 4 1/2", 5", 5 1/2" and 7"	2013
35	Forooz B	Mapna Drilling	350 Ton Spider and Elevator complete with slips assembly for all available sizes 4-1/2" ~ 10-3/4"	2013



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36	Forooz B	Mapna Drilling	Pneumatic Spider/Elevator 500 ton complete with completewith slips assembly for 5, 5-1/2,"7", 9-5/8", 10-3/4", 13-3/8", 13-5/8", 14"	2013
37	Forooz B	Mapna Drilling	Pneumatic Spider/Elevator 500 ton complete with SlipAssembly/Guide Assembly /Inserts/Adapter plates/ for each sizesranging from14"-4-1/2"	2013
38	Forooz B	Mapna Drilling	MANUAL TONG 4-1/2" ~ 2-3/8"(TRQ 35000 ft.lbs)	2013
39	Forooz B	Mapna Drilling	MANUAL TONG 12-3/4" ~ 3-3/8"(TYPE Q86-324/75)	2013
40	Forooz B	Mapna Drilling	MANUAL TONG 30" ~ 13-3/8"(30" Manual Casing Tongs (HT-65-100) c/w lug jaws)	2013
41	Forooz B	Mapna Drilling	Hydraulic Power Tong c/w Lift Valve and Safety DoorSize Range: 4 1/2" – 13 5/8" Torque Rated: 35,000 ft. lbs complete withall size ofjaws and two torque gauges	2013
42	Forooz B	Mapna Drilling	20"-50k Power tong Torque Rated: 50,000 ft. lbscomplete with allsize of jaws and two torque gauges	2013
43	Forooz B	Mapna Drilling	Computer Analyzed Torque Turn/Time Systems, complete with accessories and colourdesktop printer	2013
44	Forooz B	Mapna Drilling	Power Unit, Diesel Driven Power Units – 4-Cylinder complete with 75 ft. 1 1/4" & 1" hoses with wing-type quick disconnectsmale & female.	2013