

Item	Description	Unit cost(IQ D)	Comment	Qty
1	Gate valve, Size 32" class 150, ANSI B16.10(Face to Face Dimensions of Valve), Ends Flange RF According to ANCE B16.47, Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB , Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel), Service: crude oil , should be Origin European ,UK,USA, and Provide us with certificate of origin country		We need these valve for outlet gas valve from all flow tanks for all degassing station	4
2	Gate valve, Size 30" class 150 , ANSI B16.10(Face to Face Dimensions of Valve), Ends Flange RF According to ANCE B16.47, Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB , Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel), Service: crude oil , should be Origin European ,UK,USA, and Provide us with certificate of origin country		We need these valve during Markaziya A train shut down and We need these valve for outlet gas valve from all flow tanks for all degassing station	4
3	Gate valve, Size 24" class 150, ANSI B16.10(Face to Face Dimensions of Valve), Ends Flange RF According to ANCE B16.5, Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB , Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel),Service: crude oil , should be Origin European ,UK,USA, and Provide us with certificate of origin country		We need these valve during Markaziya A train shut down	4
4	Gate valve, Size 20" class 150, ANSI B16.10(Face to Face Dimensions of Valve),Ends Flange RF According to ANCE B16.5, Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB , Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel),Service: crude oil , should be Origin European ,UK,USA, and Provide us with certificate of origin country		We need these valve during Markaziya A train shut down and suction for all Booster pump in Quranat , Shamyia , Janobyia and Markaziya DS	5
5	Gate valve, Size 16" class 150 , ANSI B16.10(Face to Face Dimensions of Valve), Ends Flange RF According to ANCE B16.5, Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB , Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel),Service: crude oil , should be Origin European ,UK,USA, and Provide us with certificate of origin country		We need these valves for WO S200259 and discharge for all Booster pump in Quranat , Shamyia , Janobyia and Markaziya DS	5
6	Gate valve, Size 16" class 600, ANSI B16.10(Face to Face Dimensions of Valve),Ends Flange RF According to ANCE B16.5, - Materials :Trim ASTM A182F 316(Stainless Steel) According to NACE MR0175, Body and Bonnet ASTM A216 WCB - Bolted bonnet, Rising Stem, Sold wedge , Full bore, Hand wheel operated, Lubricator (steel) -Service: crude oil		We need these valve as preventive maintenance for discharge valve for export lines for all degassing	4

	- should be Origin European ,UK,USA, and Provide us with certificate of origin country		station in north and south Rumaila	
7	<ul style="list-style-type: none"> Gate valve size 1"X800,Threaded end -bolt bonnet ,full flow port API 602 -Body according to ASME A105N -Seat according to ASME A582GR.416 -Wedge according to ASME A276GR.420 -Stem according to ASME A582GR.416 -Bonnet according to ASME A105N -Packing - Graphite -Gland according to ASME A582GR.416 -Gland flange according to ASME A105N -Stud bolt according to ASME A276gr.420 -Nut according to ASME A194GR.2H -Yoke bushing according to ASME A582GR.416 -Hand wheel – Malleable iron -Hand wheel nut according to ASME A194GR.2H - Service: crude oil 		We need these valves for WOS200472 and all sample point for all degassing station	50
8	<ul style="list-style-type: none"> Gate valve size 3"/4"X800,Threaded end -bolt bonnet ,full flow port API 602 -Body according to ASME A105N -Seat according to ASME A582GR.416 -Wedge according to ASME A276GR.420 -Stem according to ASME A582GR.416 -Bonnet according to ASME A105N -Packing - Graphite -Gland according to ASME A582GR.416 -Gland flange according to ASME A105N -Stud bolt according to ASME A276gr.420 -Nut according to ASME A194GR.2H -Yoke bushing according to ASME A582GR.416 -Hand wheel – Malleable iron -Hand wheel nut according to ASME A194GR.2H - Service: crude oil 		We need these valves for WOS200472 and all sample point for all degassing station	50
9	<ul style="list-style-type: none"> Gate valve size 1/2"X800,Threaded end -bolt bonnet ,full flow port API 602 -Body according to ASME A105N -Seat according to ASME A582GR.416 -Wedge according to ASME A276GR.420 -Stem according to ASME A582GR.416 -Bonnet according to ASME A105N -Packing - Graphite -Gland according to ASME A582GR.416 -Gland flange according to ASME A105N -Stud bolt according to ASME A276gr.420 		We need these valves for WOS200472 and all sample point for all degassing station	100

	<ul style="list-style-type: none">-Nut according to ASME A194GR.2H-Yoke bushing according to ASME A582GR.416-Hand wheel – Malleable iron-Hand wheel nut according to ASME A194GR.2H- Service: crude oil			
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