

Sr No	Description	Unit	Quantity	Unit Price (FOB)
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Group A

1	BALL VALVE 6" X 300 RF A105N ,FULL BORE,FORGED ASTM A350/CAST ASTM A352 GR LCB,BOLTED,TRIM SS316,TRUNION MOUNTED,ANTI STATIC BLOWOUT,FIRE SAFE TO BS6755/API607/API6FA,ANSI FLANGED END TO ANSI B16.5,API 6D OR BS-5351.	Number	3	
2	GLOBE, VALVE, 3/4", 1500#, THR (ASME B16.11), OS & Y, BOLTED BONNET & GLAND, RENEWABLE SEATS, HANDWHEEL, API 602, ASTM A-216 GR.316. IP# IASSY VALVE, GATE.	Number	2	
3	GLOBE, VALVE, 8", 900#, RTJ (ASME B16.5), OS & Y, BOLTED BONNET & GLAND, RENEWABLE SEATS, HANDWHEEL, BS 1873, ASTM A-216 GR.WCB. IP# IASSY VALVE, GATE.	Number	1	
4	VALVE, BALL, 4", CLASS 600, RTJ, WITH MANUAL GEAR BOX SIDE ENTRY, FLANGE END FULL BORE API 6D TRIM MATERIAL, NACE MR-0175, WITH COMPANION FLANGES SCH-80, A-105 TRUNION MOUNTED MATCH GASKET STUD & NUTS.	Number	2	
5	VALVE, BALL, 8", API 6D, CLASS 900#, FLANGED END RTJ, FULL BORE, TRUNION MOUNTED, SPLIT BODY, GEAR OPERATED, BODY MAT. FORGED CARBON STEEL A105N, TRIM MAT. BALL,STEM,SEAT RING ASTM A182 F316, SEAT INSERT: PEEK, NACE MR 0175	Number	9	
6	VALVE, GATE, 3/4" S.W.X THDD. 800# API 602, OS&Y, BOLTED BONNET & GLAND SOLID WEDGE RENEWABLE SEATS, HAND-WHEEL, BODY: ASTM A-105 NORMALIZED DISC STEAM & SEAT RINGS 13% CR, HF SEAT IASSY VALVE, GATE.	Number	5	
7	VALVE,BALL 6",600#,RF,FULL BORE,FORGED ASTM A350/CAST ASTM A352 GR LCB,BOLTED,TRIM SS316,TRUNION MOUNTED,ANTI STATIC BLOWOUT,FIRE SAFE TO BS6755/API607/API6FA,ANSI FLANGED END TO ANSI B16.5,API 6D OR BS-5351.	Number	3	
8	VALVE,BALL,MANUAL "ORBIT",3"X2",ANSI 600 RF,FIG NO.1533MHR TJ,SERIAL NO.1146065 TO 1146066. IP# IASY BALL VALVES MANUAL	Number	1	
9	VALVE,GATE,3/4",SW X THD,CLASS 1500,CS,ASTM A-105,ANSI B16.11,API 602 TRIM SS316. IP# IASY GATE VALVES	Number	18	
10	BALL VALVE, RTJ, 8", 600 CLASS, BOLTED BODY, REPLACEMENT BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED AS PER ASME B-16.5, BODY MATERIAL A-216 GR WCB STEM/BALL ATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE, ANTI	Number	1	
11	BALL VALVE, RTJ, 4", 600 CLASS, BOLTED BODY, REPLACEMENT BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED AS PER ASME B-16.5, BODY MATERIAL A-216 GR WCB STEM/BALL ATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE, ANTI	Number	4	
12	BALL VALVE, RTJ, 3", 600 CLASS, BOLTED BODY, REPLACEMENT BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED AS PER ASME B-16.5, BODY MATERIAL A-216 GR WCB STEM/BALL ATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE, ANTI	Number	2	

13	BALL VALVE, RTJ, 2", 600 CLASS, BOLTED BODY, REPLACEMENT BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED AS PER ASME B-16.5, BODY MATERIAL A-216 GR WCB STEM/BALL MATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE, ANTI	Number	2
14	BALL VALVE, RTJ, 1", 600 CLASS, BOLTED BODY, REPLACEMENT BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED AS PER ASME B-16.5, BODY MATERIAL A-216 GR WCB STEM/BALL MATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE, ANTI	Number	2
15	BALL VALVE RTJ, 3/4", 600 CLASS, BOLTED BODY, REPLACEABLE BALL & SEATS, REDUCE BORE, FLOATING BALL, STANDARD LEVER OPERATED, AS PER ASME B-16.5, BODY MATERIAL A-216, GR WCB STEM/BALL MATERIAL A 351 CF8M, SEAL PTFE, AS PER API 6D FIRE SAFE,	Number	2
16	GATE VALVE, RTJ, 2", 600 #, FLANGED END, ASME B16.5, BB, OS&Y, BOLTED BONNET BODY, GLAND, RENEWABLE SEAT, BODY ASTM A-216 GR WCB, TRIM 316 SS, HAND WHEEL OPERATED, ASME B16.4	Number	3
17	GLOBE VALVE RTJ, 2", 600#, FLANGED END, ASME B16.5, B.B, OS&Y, BOLTED BONNET BODY, GLAND, RENEWABLE SEAT, BODY ASTM A-216 GR. WCB. TRIM: 316SS, HAND WHEEL OPERATED AS PER ASME B 16.4	Number	1
18	NEEDLE VALVE, 3/4", 800 #, S.W	Number	3
19	VALVE,BALL,API607,3/4",150#,RF,BOLTED BODY, FLOATING BALL,CS,WCB,A216,A351,PTFE,LEVER OPERATED IASSY BALL VALVE	Number	2
20	BALL VALVE, 6", 150 LB. RF (S) , REDUCE BORE, BODY ASTM A216 WCB, BALL ASTM A216 WCB PLUS HARD CHROMIUM COATED. STEM. ASTM A182-F6A SEAT. PTFE. DESIGN STANDARD API6D, LEVER.	Number	1
21	VALVE,BALL,3",600# RTJ,FULL BORE,BOLTED BODY,LEVER OPERATED,TRUNION MOUNTED,ANTI STATIC FIRE SAFE,API 6D,ANSI B16.5. IP# IASSY VALVE, BALL.	Number	2
22	VALVE, CHECK, SWING TYPE, 2" CLASS 600, RTJ, API 6D, BODY MATERIAL CAST STEEL ASTM A216 Gr. WCB, TRIM MAT: DISC, HINGE, SEAT RING: A182 F316, NACE MR 0175.	Number	2
23	BALL VALVE RTJ, 6", 600 CLASS, BOLTED BODY, REPLACEABLE BALL & SEATS, FULL BORE, TRUNION MOUNTED, STANDARD GEAR OPERATED, AS PER ASME B-16.5, BODY MATERIAL A-216, GR WCB STEM/BALL MATERIAL A 351 CF8M, SEAL PTFE, API 6D FIRE SAFE, ANTISTATIC	Number	7

Group B

24	BLIND FLANGE 3/4" X1500 X105N R-14-BDDZ B-16	Number	2
25	FLANGE,,WN,6",RTJ,900#,,SCH 120,,A-694,F52,NACE MR 01-75,B16.5	Number	4
26	FLANGE,,WN,6",RTJ,900#,,SCH 80,,A-694,F52,NACE MR 01-75,B16.5	Number	6
27	FLANGE,,WN,8",RTJ,600#,,SCH XS,A105	Number	

28	FLANGE,CS,BLIND,2",RTJ,1500#,,,A-105,,B16.5	Number	12
29	FLANGE,CS,BLIND,4",RTJ,900# A-105,B16.5	Number	1
30	FLANGE,CS,BLIND,6",RF,600#A-105,,	Number	1
31	FLANGE,CS,BLIND,8",RTJ,900#A-105,,B16.5	Number	3
32	FLANGE,CS,WN,4",RF,600#,,SCH 40,,A-105	Number	2
33	FLANGE,CS,WN,6".RTJ,900#,,SCH 40,,A-105,B16.5	Number	6
34	FLANGE,CS,WN,8".RTJ,900#,,SCH 40,,A-105	Number	10
35	FLANGE, 1",600#, RTJ, SCH 160, WN, AS PER ASME B16.5, MATERIAL A-105	Number	2
36	FLANGE BLIND,8",600#, RTJ,AS PER ASME B16.5, MATERIAL A-105	Number	1
37	STUD WITH TWO NUTS, SIZE: 7/8" X 145MM, STUD MATERIAL: A-193 GR B7, NUT MATERIAL: A-194 GR. 2H, FLOURO POLYMER COATED, IASY. TIE-IN MATERIAL.	Number	78
38	STUD WITH TWO NUTS, SIZE: 7/8" X 145MM, STUD MATERIAL: A-193 GR B7, NUT MATERIAL: A-194 GR. 2H, FLOURO POLYMER COATED, IASY. TIE-IN MATERIAL.	Number	250
39	BOLT,STUD 2 NUT,5/8" X 110,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	136
40	BOLT,STUD 2 NUT,5/8" X 90,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	56
41	BOLT,STUD 2 NUT,3/4" X 100,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	24
42	BOLT,STUD 2 NUT,1/2" X 65,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	20
43	STUDBOLT CAD. PLATED, 1-1/8" X 170MM + 2NUTS,900#, A193 GR,B7 A194 GR,2H IP#,IASY BOLTS & NUTS, STUD BOLTS & NUTS	Number	20
44	BOLT,STUD 2 NUT,3/4" X 110,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	16
45	BOLT,STUD 2 NUT,3/4" X 125,A193/A194,B7/2H,CADMIUM PLATED,WITH 02 WASHER IASY STUD BOLTS & NUTS	Number	78
46	STUD BOLT,2 NUTS 5/8"X175 MM. IP# IASY BOLTS & NUTS,STUD BOLTS & NUTS.	Number	24
47	ELBOW,CS,EQUAL,LR 90 DEG,6",,SCH 80,,A-234,WPB,,	Number	24
48	ELBOW,,90 DEG,2",,SCH 160,,A-234,WPB,BW,,	Number	16
49	ELBOW DIA 2", SCH 80, 90 DEGREE, LR, B.W, ASTM A-234, GR WPB, ASME B16.9	Number	25
50	ELBOW,CS,,LR 45 DEG,6",,SCH 80,,A-234,WPB,BW,,	Number	10
51	TEE,CS,REDUCING,8" X 6",,SCH 80,,A-234,GR. WPB,BW,,B16.9	Number	2
52	REDUCING TEE, 4" x 2", SCH 80 X 160, B.W, ASTM A-234 GR. WPB AS PER ASME B16.9	Number	3
53	FLANGE,CS,WN,6".RTJ,900#,,SCH 80,,A-105,,NACE MR 01-75,B16.5	Number	2
54	FLANGE,CS,WN,4",RTJ,900#,,SCH 80,,A-105,,B16.5, R-37	Number	

55	FLANGE,CS,WN,6",RTJ,600#,,SCH 80,,A-105,,NACE MR 01-75,B16.5	Number	20
56	FLANGE,CS,WN,4",RTJ,600#,,SCH 80,,A-105,,B16.5	Number	12
57	FLANGE,CS,WN,3",RTJ,600#,,SCH 80,,A-105,,B16.5	Number	12
58	FLANGE,CS,WN,2",RTJ,600#,,SCH 160,,A-105,,	Number	24
59	FLANGE,CS,BLIND,6",RTJ,600#,,,,A-105,,NACE MR 01-75,B16.5	Number	4
60	FLANGE,CS,BLIND,6",RTJ,900#,,,,A-105,,NACE COMPLIANCE,B16.5	Number	2
61	ELBOW,LR 90 DEG,4",SCH 40,A-234,WPB,BW,B16.9	Number	12
62	ELBOW,CS,,LR 90 DEG,3",SCH 80,,A-234,WPB,BW	Number	10
63	TEE,CS,EQUAL,6",,,SCH 80,,A-234,GR. WPB,BW,,	Number	6
64	FLANGE,CS,WN,8",RTJ,600#,,SCH 80,,A-105	Number	1
65	RING TYPE JOINT, SOFT IRON, OCTAGONAL, R-45, CLASS: 600#, SIZE:6"	Number	60
66	ELBOW,,,LR 90 DEG,4",SCH 80,,A-234,WPB,BW,B16.9	Number	10

Group C

67	GASKET SPIRAL WOUND (2") 4.5 MM THK CLASS 150. Flexitallic Style : CG Winding Material : SS316L Filler : Flexicarb (Flexible graphite) Outer : Carbon Steel Standard : ASME B16.20	Number	30
68	GASKET SPIRAL WOUND, SIZE 6", CLASS-600, RF, Flexitallic Style : CG Winding Material : SS316L Filler : Flexicarb (Flexible graphite) Outer : Carbon Steel Standard : ASME B16.20	Number	120
69	RING GASKET R-24 Octagonal Ring, Material SS-316, Standard: ASME B 16.20, Make: Flexitallic or Klinger only	Number	60
70	RING GASKET R-31 Octagonal Ring, Material SS-316, Standard: ASME B 16.20, Make: Flexitallic or Klinger only	Number	10
71	GASKET OCTOGONAL RING, 4", 600/900#, R-37, 316 SS	Number	30
72	GASKET OCTOGONAL RING, 3", 600#, R-31, 316 SS	Number	25
73	GASKET OCTOGONAL RING, 2", 600#, R-23, 316 SS	Number	125
74	GASKET OCTOGONAL RING, 1", 600#, R-16, 316 SS	Number	20
75	GASKET OCTOGONAL RING, 3/4", 600#, R-163 316 SS	Number	24
76	RING TYPE JOINT, SOFT IRON, OCTAGONAL, R-49, CLASS: 600#, SIZE:8"	Number	24

Group D

77	PIPE,CS,SEAMLESS,6" ,,SCH 80,BE,A-106,GR. B,,	Meter	180
78	PIPE,CS,SEAMLESS,4" ,,SCH 40,BE,A-106,GR. B,,	Meter	84
79	PIPE,CS,SEAMLESS,2" ,,SCH 160,BE,A-106,GR. B,,	Meter	120
80	PIPE,CS,SEAMLESS,2" ,,SCH 80,PE,A-106,GR. B,,	Meter	96
81	PIPE,CS,SEAMLESS,1" ,,SCH 160,PE,API 5L,GR. B,,	Number	6

82	PIPE,CS,SEAMLESS,3/4" ,SCH 160,PE,A-106,GR. B,,	Meter	6
83	PIPE,CS,SEAMLESS,3/4" ,SCH 80,BE,A-106,GR. B,,B36.10	Meter	18
84	PIPE,CS,SEAMLESS,3",SCH 80,BE,A-106,GR. B, B36.10	Meter	36