





OWNER:  شرکت سست و سویی توهمه ایران (سهامی عامه)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>PIPING LINE LIST</b>								
MC :  شرکت سست و سویی توهمه ایران (سهامی عامه)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-77	BU	20	VD	303	PR	LST	0065	Rev.:	Page
								01	1 of 3

## PIPING LINE LIST

01	14/10/2021	For approval			KP	PW	JR	
00	13/09/2021	For approval			KP	PW	JR	
<b>Rev.</b>	<b>Date</b>	<b>Purpose of Issue</b>			<b>Prepared</b>	<b>Checked</b>	<b>Approved</b>	<b>AC Code</b>
							<b>Class: 1</b>	<b>Phase: P</b>



Piping Line List



Line no.	Line description	P&ID Number	Line size	Schedule	Ende	Pipe material	Flange	Flange Material	Operating press.	Design press.	Operating temp.	Design temp.	Insulation	Tie in Point	Type of insulation
2"-NL-1001-511C(N)	Nitrogen Compressor inlet	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	7 / 8 / 9 bar(a)	13,5 bar(a)	5 to 55°C	0 to 80°C	Not Insulated	TP-1	
2"-NL-1002-539D(N)	interstage	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	14,5 bar(a)	16 bar(g)	134° C	170°C	Not Insulated		
2"-NL-1003-539D(N)	Nitrogen Compressor outlet	17811-03B	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	23,5 bar(g)	25 bar(g)	52°C	0 to 80°C	Not Insulated	TP-2	
2"-CWS-1004-501C(N)	main cooling water supply	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated	TP-3	
11/2"-CWS-1005-500C(N)	after cooler cws	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
11/2"-CWS-1006-500C(N)	inter cooler cws	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
3/4"-CWS-1007-500C(N)	compressor cylinder cws	17811-03B	3/4"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
3/4"-CWR-1008-500C(N)	compressor cylinder cwr	17811-03B	3/4"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
11/2"-CWR-1009-500C(N)	inter cooler cwr	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
11/2"-CWR-1010-500C(N)	after cooler cwr	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
2"-CWR-1011-500C(N)	main cooling water return	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated	TP-4	
2"-INA-7001-523C(N)	instrument air Compressor inlet	17811-03A	2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	7 / 8 / 8,5 bar(a)	13,5 bar(a)	10 to 45°C	0 to 80°C	Not Insulated	TP-1	
2"-INA-7002-161D(N)	instrument air Compressor outlet	17811-03A	2"	STD	BE	A106 GR.B, SMLS	WN 300# RF	A105N, ASME	21bar(g)	25 bar(g)	40°C	0 to 80°C	Not Insulated	TP-2	
11/2"-CWS-7003-500C(N)	main cooling water supply	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated	TP-3	
11/2"-CWS-7005-500C(N)	after cooler cws	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
1/2"-CWS-7004-500C(N)	compressor cylinder cws	17811-03B	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	4,5 bar(g)	10 bar(g)	35°C	0 to 80°C	Not Insulated		
1/2"-CWR-7007-500C(N)	compressor cylinder cwr	17811-03B	1/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
11/2"-CWR-7006-500C(N)	after cooler cwr	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated		
11/2"-CWR-7008-500C(N)	main cooling water return	17811-03B	11/2"	STD	BE	A106 GR.B, SMLS	WN 150# RF	A105N, ASME	2,5 bar(g)	10 bar(g)	45°C	0 to 80°C	Not Insulated	TP-4	

NOTE: