



**BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT**







**INSTRUMENT CABLE LIST & SHEDULE
FOR NITROGEN GAS BOOSTER**



Owner Document Number: 17811-53A	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No: 52-98/445	
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**INSTRUMENT CABLE LIST & SHEDULE FOR NITROGEN
GAS BOOSTER**

01	20/10/2021	For approval	WZ	RB	KP		
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code	
						Class: 1	Phase: P

OWNER:  شرکت مست و سوبی نوس ایرانیان (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	INSTRUMENT CABLE LIST & SHEDULE FOR NITROGEN GAS BOOSTER						 Netherlands		
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SI	LOCATION	FROM BOARD / INSTRUMENT	GLAND SIZE	CABLE NAME	TO BOARD / INSTRUMENT	TERM . STRIP	TERMINAL	GLAND SIZE	LOCATION	CABLE mm2	ARM/UNARM.	SHEATH COLOR	PROTECTION	CABLE TYPE	FUNCTION	SCOPE
COMPRESSOR 20-C-1002 UCP-C1002-01																
2	FIELD	LP-C1002-01	M20-O	ESD_LCP_A	UCP-C1002-01	X9	1-2	N/A	FIELD	4Cx1	ARMOUR	Gray	NIS	DN04CAS	COMPRESSOR A EMERGENCY SHUTDOWN	AIRPACK
3	CUSTOMER	CUSTOMER	N/A	ESD_COM	UCP-C1002-01	X9	3-7	N/A	FIELD	4Cx1	ARMOUR	Gray	NIS	DN04CAS	EMERGENCY SHUTDOWN FROM CUSTOMER	AIRPACK
4	FIELD	JNDX-C1002-01	M32-C	SOL_COMA	UCP-C1002-01	X1	1-10	N/A	FIELD	5Px2,5	ARMOUR	Gray	NIS	VN05A	SOLENOIDS CONNECTION	AIRPACK
5	CUSTOMER	CUSTOMER	N/A	SERA00	UCP-C1002-01	X4	1-8	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	AIRPACK
6	CUSTOMER	CUSTOMER	N/A	SERA01	UCP-C1002-01	X4	9-16	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	AIRPACK
7	FIELD	LP-C1002-01	M25-B	LCP_COMA	UCP-C1002-01	X5	1-26	N/A	FIELD	26Cx1	ARMOUR	Gray	NIS	DN26CA	DIGITAL INPUTS CONNECTION	AIRPACK
8	FIELD	JIAX-C1002-01	M32-C	TR_COMA	UCP-C1002-01	X2	1-20	N/A	FIELD	10Px0,75	ARMOUR	Gray	NIS	AN10A	ANALOG INPUTS CONNECTION	AIRPACK
9	FIELD	PD-C-1002-01	M20-O	DB_COMA	UCP-C1002-01	X8	1-20	N/A	FIELD	20Cx1	ARMOUR	Gray	NIS	DN20CA	SIGNALS FROM/TO DISTRIBUTION BOARD	AIRPACK
10	FIELD	DCS	M20-O	SIG_DCS	UCP-C1002-01	X11	1-8	N/A	FIELD	8Cx1	ARMOUR	Gray	NIS	DN08CA	SIGNALS FROM/TO DCS	AIRPACK
COMPRESSOR 20-C-1002 JNDX-C1002-01																
12	FIELD	XY-10001	M20-A	XY-10001	JNDX-C1002-01	X1	1-2	M20-A	FIELD	1Px2,5	ARMOUR	Gray	NIS	VN01A	COMPRESSOR A INLET SOLENOID VALVE XY-10001	AIRPACK
13	FIELD	XY-10001	M20-A	XY-10002	JNDX-C1002-01	X1	3-4	M20-A	FIELD	1Px2,5	ARMOUR	Gray	NIS	VN01A	COMPRESSOR A COOLING WATER INLET SOLENOID VALVE XY-10002	AIRPACK
COMPRESSOR 20-C-1002 JIAX-C1002-01																
15	FIELD	PIT-10003	M20-O	PIT-10003	JIAX-C1002-01	X2	1+,1-,1SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A INLET PRESSURE PIT-10003	AIRPACK
16	FIELD	PIT-10004	M20-O	PIT-10004	JIAX-C1002-01	X2	2+,2-,2SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OIL SYSTEM PRESSURE PIT-10004	AIRPACK
17	FIELD	PIT-10007	M20-O	PIT-10007	JIAX-C1002-01	X2	3+,3-,3SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OUTLET PRESSURE PIT-10007	AIRPACK
18	FIELD	TIT-10001	M20-O	TIT-10001	JIAX-C1002-01	X2	4+,4-,4SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A INLET TEMPERATURE TIT-10001	AIRPACK
19	FIELD	TIT-10002	M20-O	TIT-10002	JIAX-C1002-01	X2	5+,5-,5SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A 1st STAGE TEMPERATURE TIT-10002	AIRPACK
20	FIELD	TIT-10003	M20-O	TIT-10003	JIAX-C1002-01	X2	6+,6-,6SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A UPSTREAM AFTER COOLER TEMPERATURE TIT-10003	AIRPACK
21	FIELD	FT-10001	M20-O	FT-10001	JIAX-C1002-01	X2	7+,7-,7SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A COOLING WATER OUTLET FLOW FT-10001	AIRPACK
22	FIELD	VT-10001	M20-O	VT-10001	JIAX-C1002-01	X2	8+,8-,8SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A BEARING VIBRATION VT-10001	AIRPACK
COMPRESSOR 20-C-1002 PD-C-1002-01																
24	FIELD	PT-100	M20-O	PT-100	PD-C-1002-01	X10	1-2	M20-O	FIELD	2Cx1	ARMOUR	Gray	NIS	RN02CA	COMPRESSOR A OIL SYSTEM PT-100	AIRPACK