







OWNER:  شرکت سست و سویی گیس ایران (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	
MC :  شرکت سست و سویی گیس ایران (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No: 52-98/445	
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INSTRUMENT CABLE LIST & SHEDULE FOR NITROGEN GAS BOOSTER

 شرکت سست و سویی گیس ایران (سهامی خاص)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	AFC	
Result Code: AP,AN,CM,RE,NC	AP	
Next Status : IFC,IFA,IFI,AFC,AB	-	
Responsible Department	MECHANICAL	
Commented Date	Jan/20/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

03	06/01/2022	Approved for Construction	AS	RB	KP	
02	10/12/2021	For approval	AS	RB	KP	
01	20/10/2021	For approval	AS	RB	KP	
00	16/12/2020	For approval	WZ	RB	KP	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

SI	FROM	TO	GLAND	CABLE NAME	TO BOARD / INSTRUMENT	TERM . STRIP	TERMINAL	GLAND	LOCATION	CABLE	ARM/UNARM.	SHEATH COLOR	PROTECTION	CABLE TYPE	FUNCTION	SCOPE
			SIZE					SIZE		mm2						
COMPRESSOR 20-C-1002 UCP-C1002-01																
2	LP-C1002-01	UCP-C1002-01	M25-B	FCNDX-C1002-LCP01	UCP-C1002-01	X9	1...4	M25-B	FIELD	5Px0,75	ARMOUR	Gray, Red strip	NIS	DN05A5	COMPRESSOR A EMERGENCY SHUTDOWN	CUSTOMER
3	CUSTOMER (ESD SYSTEM)	UCP-C1002-01	N/A	ICNDE-C1002-01	UCP-C1002-01	X9	5...9	N/A	FIELD	5Px0,75	UNARMOUR	Gray, Red strip	NIS	DN05S	EMERGENCY SHUTDOWN FROM CUSTOMER	CUSTOMER
4	JNDX-C1002-01	UCP-C1002-01	M25-B	FCNDX-C1002-01	UCP-C1002-01	X1	1...10	M25-B	FIELD	5Px2,5	ARMOUR	Gray	NIS	VN05A	SOLENOIDS CONNECTION	CUSTOMER
5	FCS	UCP-C1002-01	N/A	ICNLX-C1002-01	UCP-C1002-01	X4	1...8	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	CUSTOMER
6	FCS	UCP-C1002-01	N/A	ICNLX-C1002-02	UCP-C1002-01	X4	9...16	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	CUSTOMER
7	LP-C1002-01	UCP-C1002-01	M25-B	FCNDX-C1002-LCP02	UCP-C1002-01	X5	1...26	M25-B	FIELD	10Px0,75	ARMOUR	Gray	NIS	DN10A	DIGITAL INPUTS CONNECTION	CUSTOMER
8	JIAX-C1002-01	UCP-C1002-01	M40-C2	FCIAX-C1002-01	UCP-C1002-01	X2	1...40	M40-C2	FIELD	20Px0,75	ARMOUR	Light Blue	IS	AI20A	ANALOG INPUTS CONNECTION	CUSTOMER
9	PD-C-1002-01	UCP-C1002-01	M25-B	ICNDX-C1002-PDP	UCP-C1002-01	X8	1...20	M25-B	FIELD	10Px0,75	ARMOUR	Gray	NIS	DN10A	SIGNALS FROM/TO DISTRIBUTION BOARD	CUSTOMER
10	FCS	UCP-C1002-01	N/A	ICNDF-C1002-01	UCP-C1002-01	X11	1...4	N/A	FIELD	1Px0,75	UNARMOUR	Gray	NIS	DN01	SIGNALS FROM/TO FCS	CUSTOMER
COMPRESSOR 20-C-1002 JNDX-C1002-01																
12	JNDX-C1002-01	XY-10151	M20-A	XY-10151	JNDX-C1002-01	X1	1...2	M20-A	FIELD	1Px2,5	ARMOUR	Gray	NIS	VN01A	COMPRESSOR A INLET SOLENOID VALVE XY-10001	AIRPACK
13	JNDX-C1002-01	XY-10152	M20-A	XY-10152	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	JIAX-C1002-01	PIT-10153	M20-O	PIT-10153	JIAX-C1002-01	X2	1+,1-,1SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A INLET PRESSURE PIT-10153	AIRPACK
16	JIAX-C1002-01	PIT-10154	M20-O	PIT-10154	JIAX-C1002-01	X2	2+,2-,2SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OIL SYSTEM PRESSURE PIT-10154	AIRPACK
17	JIAX-C1002-01	PIT-10157	M20-O	PIT-10157	JIAX-C1002-01	X2	3+,3-,3SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OUTLET PRESSURE PIT-10157	AIRPACK
18	JIAX-C1002-01	TIT-10151	M20-O	TIT-10151	JIAX-C1002-01	X2	4+,4-,4SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A INLET TEMPERATURE TIT-10151	AIRPACK
19	JIAX-C1002-01	TIT-10152	M20-O	TIT-10152	JIAX-C1002-01	X2	5+,5-,5SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A 1st STAGE TEMPERATURE TIT-10152	AIRPACK
20	JIAX-C1002-01	FT-10151	M20-O	FT-10151	JIAX-C1002-01	X2	6+,6-,6SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A COOLING WATER OUTLET FLOW FT-10151	AIRPACK
21	JIAX-C1002-01	VT-10151	M20-O	VT-10151	JIAX-C1002-01	X2	7+,7-,7SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A BEARING VIBRATION VT-10151	AIRPACK
22	JIAX-C1002-01	PIT-10156	M20-O	PIT-10156	JIAX-C1002-01	X2	8+,8-,8SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A FIRST DOWNSTREAM INTERCOOLER PRESSURE PIT-10156	AIRPACK
23	JIAX-C1002-01	PIT-10158	M20-O	PIT-10158	JIAX-C1002-01	X2	9+,9-,9SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OUTLET PRESSURE PIT-10158	AIRPACK
24	JIAX-C1002-01	PIT-10159	M20-O	PIT-10159	JIAX-C1002-01	X2	10+,10-,10SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A OUTLET PRESSURE PIT-10159	AIRPACK
25	JIAX-C1002-01	TIT-10153	M20-O	TIT-10153	JIAX-C1002-01	X2	11+,11-,11SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A UPSTREAM AFTER COOLER TEMPERATURE TIT-10153	AIRPACK
26	JIAX-C1002-01	TIT-10154	M20-O	TIT-10154	JIAX-C1002-01	X2	12+,12-,12SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A FIRST DOWNSTREAM INTERCOOLER TEMPERATURE TIT-10154	AIRPACK
27	JIAX-C1002-01	TIT-10155	M20-O	TIT-10155	JIAX-C1002-01	X2	13+,13-,13SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A SECOND UPSTREAM INTERCOOLER TEMPERATURE TIT-10155	AIRPACK
28	JIAX-C1002-01	PV-10151	M20-O	PV-10151	JIAX-C1002-01	X3	1+,1-,1SCR	M20-O	FIELD	1Px1,5	ARMOUR	Light Blue	IS	AI01A	COMPRESSOR A COOLING WATER OUTLET FLOW FT-10001	AIRPACK
COMPRESSOR 20-C-1002 PD-C-1002-01																
30	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

Notes: Document according to "BU-20-D-000-IN-DSH-628-04 DATA SHEET FOR INSTRUMENT CABLES". The cable tag numbers are according to the wiring diagram for internal cables.