





OWNER:  شرکت مست و سوبی نوسد ایرانیاان (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 مست و سوبی نوسد ایرانیاان (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No: 52-98/445	
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ESD command is from customer ESD system to UCP not LCP
 Please modify in this document and also wiring diagram
 Please consider one 5pair cable between ESD system and UCP (for shut down command and trip status)

To be review and modified

SI	From	To	NT	GLAND	CABLE NAME	TO BOARD / INSTRUMENT	TERM . STRIP	TERMINAL	GLAND	LOCATION	CABLE	ARM/UNARM.	SHEATH COLOR	PROTECTION	CABLE TYPE	FUNCTION	SCOPE
				SIZE					SIZE		mm2						
1	COMPRESSOR 20-C-1002 UCP-C1002-01																
2	LCP	UCP		M20-A	FCNDX-C1002-LCP01	UCP-C1002-01	X9	1-2	N/A	FIELD	5Px0.75	ARMOUR	Gray	NIS	DN05A	COMPRESSOR A EMERGENCY SHUTDOWN	AIRPACK
3	CUSTOMER	CUSTOMER		N/A	ESD_COM	UCP-C1002-01	X9	3-7	N/A	FIELD	5Px0.75	Unarmour	Gray,Red Strip	NIS	DN05S	EMERGENCY SHUTDOWN FROM CUSTOMER	AIRPACK
4	JNDX-C1002-01	UCP		M25-B	FCNDX-C1002-01	CP-C1002-01	X1	1-10	N/A	FIELD	5Px2.5	ARMOUR	Gray	NIS	VN05A	SOLENOIDS CONNECTION	AIRPACK
5	FCS			N/A	ICNLX-C1002-01	CP-C1002-01	X4	1-8	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	AIRPACK
6				N/A	ICNLX-C1002-02	CP-C1002-01	X4	9-16	N/A	FIELD	4Px23AWG	ARMOUR	Gray	NIS	LN04A	SERIAL COMMUNICATION TO CUSTOMER MODBUS TCP/IP	AIRPACK
7	LCP			M25-B	FCNDX-C1002-LCP02	CP-C1002-01	X5	1-26	N/A	FIELD	10Px0.75	ARMOUR	Gray	NIS	DN10A	DIGITAL INPUTS CONNECTION	AIRPACK
8	JIAX-C1002-01			M32-C	FCIAX-C1002-01	CP-C1002-01	X2	1-20	N/A	FIELD	10Px0.75	ARMOUR	Light Blue	IS	A110A	ANALOG INPUTS CONNECTION	AIRPACK
9	PDP			M25-B	ICNDX-C1002-PDP	CP-C1002-01	X8	1-20	N/A	FIELD	10Px0.75	ARMOUR	Gray	NIS	DN10A	SIGNALS FROM/TO DISTRIBUTION BOARD	AIRPACK
10	FCS			N/A	ICNDX-C1002-FCS	CP-C1002-01	X11	1-8	N/A	FIELD	1Px0.75	Unarmour	Gray	NIS	DN01	SIGNALS FROM/TO DCS	AIRPACK
11	COMPRESSOR 20-C-1002 JNDX-C1002-01																
12	JNDX-C1002-01	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		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
14	COMPRESSOR 20-C-1002 JIAX-C1002-01																
15	JIAX-C1002-01	PIT-10003		M20-O	PIT-10003	JIAX-C1002-01	X2	1+,1-,1SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A INLET PRESSURE PIT-10003	AIRPACK
16		PIT-10004		M20-O	PIT-10004	JIAX-C1002-01	X2	2+,2-,2SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A OIL SYSTEM PRESSURE PIT-10004	AIRPACK
17		PIT-10007		M20-O	PIT-10007	JIAX-C1002-01	X2	3+,3-,3SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A OUTLET PRESSURE PIT-10007	AIRPACK
18		TIT-10001		M20-O	TIT-10001	JIAX-C1002-01	X2	4+,4-,4SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A INLET TEMPERATURE TIT-10001	AIRPACK
19		TIT-10002		M20-O	TIT-10002	JIAX-C1002-01	X2	5+,5-,5SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A 1st STAGE TEMPERATURE TIT-10002	AIRPACK
20		TIT-10003		M20-O	TIT-10003	JIAX-C1002-01	X2	6+,6-,6SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A UPSTREAM AFTER COOLER TEMPERATURE TIT-10003	AIRPACK
21		FT-10001		M20-O	FT-10001	JIAX-C1002-01	X2	7+,7-,7SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A COOLING WATER OUTLET FLOW FT-10001	AIRPACK
22		VT-10001		M20-O	VT-10001	JIAX-C1002-01	X2	8+,8-,8SCR	M20-O	FIELD	1Px1.5	ARMOUR	Light Blue	IS	A101A	COMPRESSOR A BEARING VIBRATION VT-10001	AIRPACK
23	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