







OWNER:  شرکت سست و سویی توسه ایرانیا (سهایی نیا)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
MC :  شرکت سست و سویی توسه ایرانیا (سهایی نیا)	INSTRUMENT INDEX FOR EMERGENCY INSTRUMENT AIR COMPRESSOR								
	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-72B	BU	20	VD	303	IN	INX	0083	Rev.: 02	Page 1 of 3

Repeated Comment

- Manufacturer and model no. shall be specified in next revision.

- All "TBA", "to be advised", "will be stated later" and ect. items shall be specified.

 شرکت سست و سویی توسه ایرانیا (سهایی نیا)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	INSTRUMENT INDEX FOR EMERGENCY INSTRUMENT AIR COMPRESSOR BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
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Document Review

Issue Purpose:	AFC
Result Code: AP,AN,CM,RE,NC	AN
Next Status : IFC,IFA,IFI,AFC,AB	AFC
Responsible Department	MECHANICAL
Commented Date	Feb/13/2022

Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.

02	26/01/2022	Approved for Construction	WZ	KP	LdM	
01	23/09/2021	For approval	WZ	KP	LdM	
00	24/11/2020	For approval	TvT	KP	LdM	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

Following tags has been missed
 • FO-71101
 • FO-71102

Range to be modified
 as per data sheet.

Discrepancy with
 PID. In PID 1 1/2
 Discrepancy with P&ID in
 valve size please clarify

Discrepancy with
 PID. In PID 1 1/2"

PSV inlet/outlet size
 shall be specified

IS/NIS for all signals
 shall be specified.

Repeated Comment
 Tag number to be specified.
 (according to I/O List)

TAG NUMBER	SERVICE DESCRIPTION	INSTRUMENT TYPE	LOCATION	P&ID NUMBER	SYSTEM TYPE	I/O TYPE	SIGNAL TYPE	IS/NIS	CALIBRATED RANGE	UNIT	STATE 0	STATE 1	SET POINT L	SET POINT LL	SET POINT H	PROCESS CONNECTION	INSTRUMENT CONNECTION	SIZE	TYPE	BBB	TW	LOCATION	PROTOCOL	WIRING DRAWING NUMBER	DATASHEET NUMBER	HOOK-UP DRAWING NUMBER	MANUFACTURER #	PANEL OR LOCAL	
PT-71101	Compressor Inlet Steam Differential Pressure Transmitter	DIFFERENTIAL PRESSURE GAUGE	PT-71101	80-20-00-303-PR-0005-0005	FC				100 - 100	Bar						1/2" NPT SP	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71102	Compressor Inlet Air Pressure Gauge	PRESSURE GAUGE	PT-71102	80-20-00-303-PR-0005-0005	FC				0 - 25.0	Bar						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71103	Compressor Lubrication Oil-Center Air Pressure Gauge	PRESSURE GAUGE	PT-71103	80-20-00-303-PR-0005-0005	FC				0 - 10	Bar						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71104	Compressor Cooling Water Inlet Water Temperature Gauge	TEMPERATURE GAUGE	PT-71104	80-20-00-303-PR-0005-0005	FC				0 - 80	°C						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71105	Compressor Cooling Water Outlet Water Temperature Gauge	TEMPERATURE GAUGE	PT-71105	80-20-00-303-PR-0005-0005	FC				0 - 80	°C						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71106	Compressor Cooling Water Outlet Water Temperature Gauge - Thermoweld	TEMPERATURE GAUGE	PT-71106	80-20-00-303-PR-0005-0005	FC				0 - 80	°C						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71107	Compressor Oil Return Oil Level Gauge	LEVEL GAUGE	PT-71107	80-20-00-303-PR-0005-0005	FC				0 - 100	mm						1/2" NPT M	1/2"	SWAY	YES		NO			80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71108	Compressor Inlet Air Pressure Transmitter	PRESSURE TRANSMITTER	PT-71108	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	Bar			0.5			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71109	Compressor Outlet Air Pressure Transmitter	PRESSURE TRANSMITTER	PT-71109	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	Bar			1.4			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71110	Compressor Outlet Air Pressure Transmitter	PRESSURE TRANSMITTER	PT-71110	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	Bar			0.5		21 (air/steam)	1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71111	Compressor Inlet Air Temperature Transmitter	TEMPERATURE TRANSMITTER	PT-71111	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 100	°C			0.5			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71112	Compressor Inlet Air Temperature Transmitter - Thermoweld	TEMPERATURE TRANSMITTER	PT-71112	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 100	°C			0.5			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71113	Compressor Lubrication Oil-Center Air Temperature Transmitter - Thermoweld	TEMPERATURE TRANSMITTER	PT-71113	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 100	°C			0.5			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71114	Compressor Cooling Water Outlet Water Flow Transmitter	FLOW TRANSMITTER	PT-71114	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	m ³ /hr			1			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71115	Compressor Lubrication Oil-Center Air Temperature Transmitter - Thermoweld	TEMPERATURE TRANSMITTER	PT-71115	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 100	°C			0.5			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71116	Compressor Cooling Water Inlet Water Flow Transmitter	FLOW TRANSMITTER	PT-71116	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	m ³ /hr			1			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71117	Compressor Cooling Water Outlet Water Flow Transmitter	FLOW TRANSMITTER	PT-71117	80-20-00-303-PR-0005-0005	FC			44.4-20 mA Inherent	0 - 10	m ³ /hr			1			1/2" NPT M	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71118	Compressor Inlet Inletted Valve	CONTROL VALVE	PT-71118	80-20-00-303-PR-0005-0005	FC			0-100% Inherent	0 - 100	%	Open	Close				1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71119	Compressor Cooling Water Inlet Inletted Valve	CONTROL VALVE	PT-71119	80-20-00-303-PR-0005-0005	FC			0-100% Inherent	0 - 100	%	Open	Close				1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71120	Compressor Cooling Water Outlet Inletted Valve	CONTROL VALVE	PT-71120	80-20-00-303-PR-0005-0005	FC			0-100% Inherent	0 - 100	%	Open	Close				1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71121	Compressor Cooling Water Outlet Inletted Valve	CONTROL VALVE	PT-71121	80-20-00-303-PR-0005-0005	FC			0-100% Inherent	0 - 100	%	Open	Close				1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71122	Compressor Cooling Water Outlet Pressure Safety Valve	PSV SAFETY VALVE	PT-71122	80-20-00-303-PR-0005-0005	FC				0 - 20000	PSI						1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71123	Compressor Lubrication Oil-Center Pressure Safety Valve	PSV SAFETY VALVE	PT-71123	80-20-00-303-PR-0005-0005	FC				0 - 20000	PSI						1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71124	Compressor Cooling Water Outlet Pressure Safety Valve	PSV SAFETY VALVE	PT-71124	80-20-00-303-PR-0005-0005	FC				0 - 20000	PSI						1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71125	Compressor Cooling Water Outlet Pressure Safety Valve	PSV SAFETY VALVE	PT-71125	80-20-00-303-PR-0005-0005	FC				0 - 20000	PSI						1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71126	Compressor Return Recycle Valve (P Transmitter)	RF TRANSDUCER	PT-71126	80-20-00-303-PR-0005-0005	FC				0 - 20000	PSI						1/2" NPT F	1/2"	SWAY	YES		NO	IS-07	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL		
PT-71126-1	Compressor Shutdown Command	GENERAL TROUBLEM FCS	PT-71126-1	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000								80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL	
PT-71126-2	Compressor Alarm	GENERAL TROUBLEM FCS	PT-71126-2	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-3	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-3	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-4	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-4	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-5	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-5	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-6	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-6	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-7	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-7	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-8	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-8	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-9	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-9	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000									80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	80-20-00-303-PR-0005-0005	TEA	LOCAL
PT-71126-10	Truck Synchronization	GENERAL TROUBLEM FCS	PT-71126-10	80-20-00-303-PR-0005-0005	FC			0-20VDC Inherent	0 - 20	VDC	Stg	Healthy				0.50000													