









OWNER:  شرکت سست و سویی توهمه ایران (سهامی خاص) SSTI	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						EPC CONTRACTOR:  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>BI-WEEKLY PROGRESS REPORT</b>								
MC :  شرکت سست و سویی توهمه ایران (سهامی خاص) SSTI	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-74	BU	20	VD	303	PC	MRP	0004	Rev.:	Page
								07	1 of 31

## BI-WEEKLY PROGRESS REPORT

07	18/02/2022	Issue For Review	JR	KP	PW		
01	14/01/2022	Issue For Review	JR	KP	PW		
00	14/09/2021	Issue For Review	JR	KP	PW		
<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>



 <p>شرکت سست و سبوی توسعہ ایرانیان (سهامی خاص)</p>	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>  <b>Bi-Weekly Progress Report</b>	  <p>Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT</p>
	<b>DOCUMENT No.</b> 17811-74	<b>Doc. Class: 3</b>
	<b>'DOCUMENT TITLE</b> Progress Report	<b>Page</b> 1 of 6

Bi-Weekly Progress Report

<b>PO (Package) Description: Reciprocating compressor</b>
<b>PO No: 52-98/445</b>
<b>Vendor Name : Airpack Netherlands B.V.</b>
<b>Report No. : 0020</b>
<b>Cut-Off date: February 14th, 2022</b>
<b>Plan Progress : 29%</b>
<b>Actual Progress : 29%</b>

<b>00</b>	<b>13-1-2022</b>	<b>JR</b>	<b>KP</b>	<b>JR</b>	<b>JR</b>	<b>For Information</b>
REV.	ISSUE DATE	PREPARED	CHECKED	Project Manager	APPROVED	PURPOSE OF ISSUE



Progress Report Format											
Req. No.:						Item No. ALL ITEMS					
P/O No.: MEG20-PO-BP303-021						Description : reciprocating compressor					
Delivery Condition:				Delivery Date	dd	mm	yy		dd	mm	yy
EXW	<input checked="" type="checkbox"/>	CFR	<input type="checkbox"/>	Contractual				as of			
FOB	<input type="checkbox"/>	DDU	<input type="checkbox"/>	Last Promised	4	8	22	as of	15	12	21
Location: Assaluyeh				Present Estimate				as of			
This report covers Progress for the period of					13	1	22	-	14	2	22
					start:			End:			
Major activities which have been done in this Period:											
Nitrogen pulsation study results are known											
Pulsation dampers quotations requested											
Started RFQ for PLC											
Due to PLC material delivery project rescheduled											
Major Activities for Next Period:											
Compressors will be delivered to Airpack facility 20 02 2022											
Attachment:											
<input checked="" type="checkbox"/> Fabrication schedule						<input type="checkbox"/> Sub-Order Status Report					
<input checked="" type="checkbox"/> Document Status Report						<input type="checkbox"/> Other Document					
Remaining Open Items to be settled with CONTRACTOR.											
No											
<b>Problem: (relating Letter/Fax No.</b>				<b>Dated</b>							
Problems which may affect on quality of the Product or delivery schedule.											
<b>Explanation of problem: (informed to CONTRACTOR by Letter/Fax No.</b>											
Dated _____											
Discharge pressure of the compressor (as per CRS of P&ID) _____											
Document turn around longer then 10 workingdays											
Return time CRS to long											
Procedure returning documents gives confusion and it's easy to mis documentation.											
Client asking to go back to a previous revision number is not possible, due to ISO regulations											
Wrong revions are send back											
<b>Impact to Quality of product and/or fabrication/delivery schedule.</b>											
Status of Countermeasure and schedule.											
Required urgent Information or returning of approved documents by CONTRACTOR.											
yes											
Customer Piping ISOMETRICS required to finalize pulsation study											
Others											
Jeroen Rust Commercial Project Manager											



**BUSHEHR PETROCHEMICAL  
COMPANY  
MEG PLANT**



Chagalesh-Enerchimi-Steam  
Joint Venture  
BUPC-MEG PLANT PROJECT

**DOCUMENT TITLE**

**DOCUMENT No. 17811-74**

**Doc. Class: 3**

Progress Report

**Page 3 of 6**

ACTIVITY	WEIGHT FACTOR	SCHEDULE PLAN		ACTUAL STATUS			
		START	FINISH	START DATE	FINISH DATE	PROGRESS	
						Plan	Actual
ENGINEERING	15%	30-Sep-21	13-Oct-21	30-Sep-21		35%	35%
PROCUREMENT	25%	1-Feb-21	29-Dec-21	26-Jun-21		59%	59%
FABRICATION	45%	21-Mar-22	15-Jul-22			20%	20%
INSPECTION	5%	7-Mar-22	27-Jul-22			5%	5%
SHIPMENT	5%	9-Aug-22	12-Aug-22			0%	0%
FINAL DATA BOOK	5%	7-Mar-22	27-Jul-22			0%	0%
OVERAL	100%					29%	29%



### Area of Concern

Relation between contractor, end- user and supplier under pressure

Technical comments are difficult to implement on the size the compressors

World wide supply chain is disturbed due to the Covid19 Pandemic. This lead to long delivery times for motors (24 weeks) electrical components, PLC material, raw material and etc.

Wrong revisions send back. Airpack send revision 3 and revied back comments on rev 2. Document will be rejected. Comments can only be given once.



## Executive Summary

### Engineering

Continue with manufacturing drawings for the skids and piping

Continue with updating engineering documents

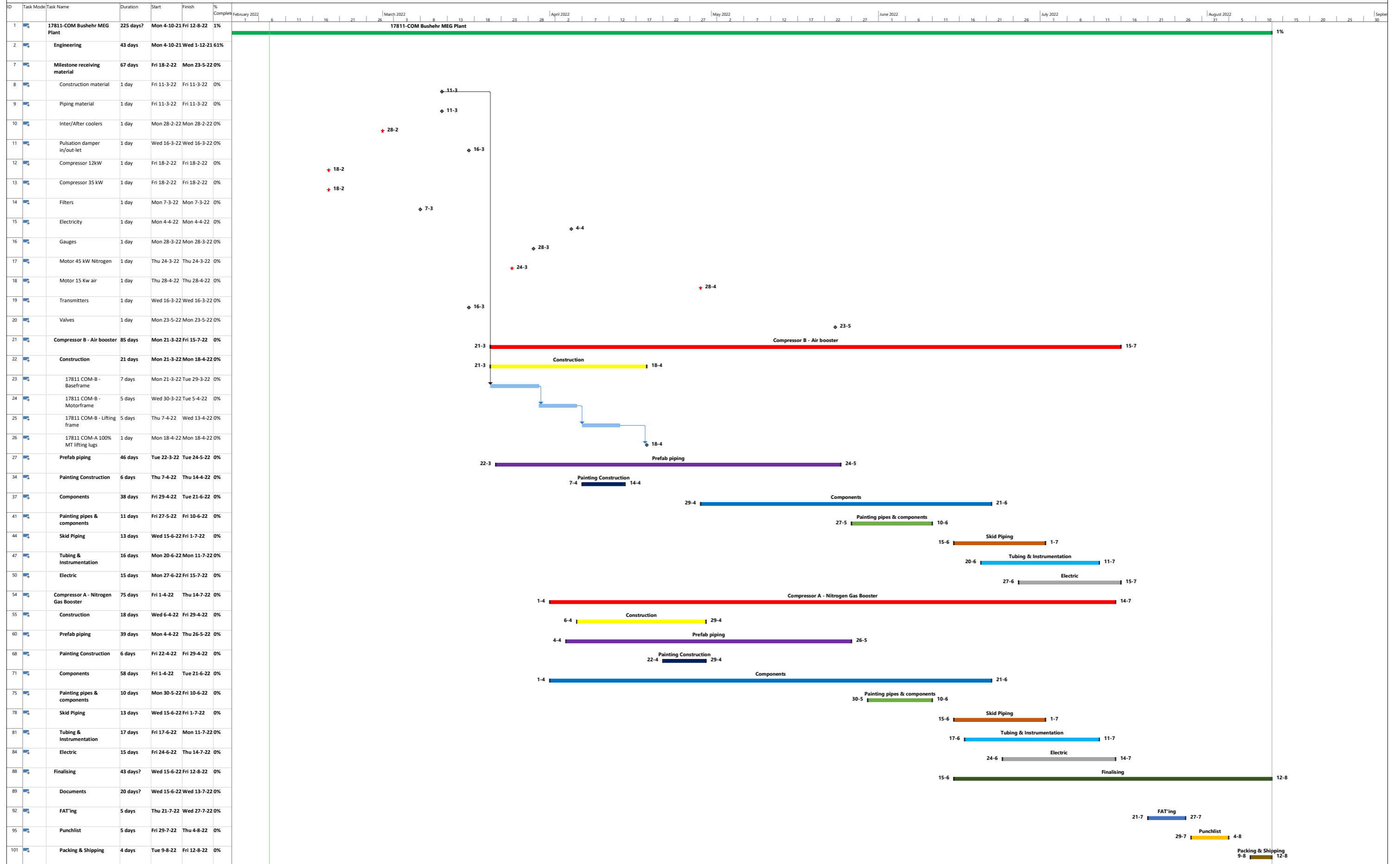
### Procurement

PLC and electrical components will ordered.

Procurement of the instruments and valves started

### Fabrication, Test, Shipment









## VENDOR DOCUMENT SCHEDULE





Project:		Bushehr MEG Plant Project				IFC		AP			
Purchase order:		MEG20-PO-BP303-021				IFA		AN			
Airpack reference:		17811-COM				IFI		CM			
Project manager:		Kevin Pool/Jeroen Rust				AFC		RE: Rejected			
Document turn around time:		: 10 workdays (5 workdays is 1 week!)				AB		NC			
Airpack document number	Revision number (00 - 09)	Contractor / Customer Document number	Description	Usage	Document issue date		Document return date		Approval Code	Days of delay (5 days = 1 working week)	Transm. nr.
					Planned date	Actual date	Planned date	Actual date			
17811-01	06	BU-20-VD-303-DC-DCI-0001	VENDOR PRINT INDEX & SCHEDULE (VPIS) FOR RECIPROCATING COMPRESSORS & NITROGEN GAS BOOSTER	FIN	07-02-22					#VALUE!	
17811-03A	01	BU-20-VD-303-PR-DWG-0013	P&ID FOR NITROGEN GAS BOOSTER INCL. CRS	IFA	05-11-21	04-11-21	18-11-21			64 days	0045
17811-03B	05	BU-20-VD-303-PR-DWG-0066	P&ID FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AFC	14-02-22	31-01-22	14-02-22			2 days	0090
17811-04A	05	BU-20-VD-303-ME-DWG-0023	GENERAL ARRANGEMENT DRAWING FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	19-01-22	19-01-22	02-02-22			10 days	0086
17811-04B	07	BU-20-VD-303-ME-DWG-0076	GENERAL ARRANGEMENT DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	19-01-22	19-01-22	02-02-22			10 days	0086
17811-05A	03	BU-20-VD-303-IN-DIG-0043	UCP/LCP/JB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER	IFA	15-03-22					-21 days	
17811-05B	03	BU-20-VD-303-IN-DIG-0093	UCP/LCP/JB WIRING DIAGRAM FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	IFA	15-03-22					-21 days	
17811-06A	03	BU-20-VD-303-IN-LST-0034	I/O LIST FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	07-02-22	10-02-22	24-02-22			-8 days	0094
17811-06B	03	BU-20-VD-303-IN-LST-0084	I/O LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	07-02-22	10-02-22	24-02-22			-8 days	0094
17811-07A	03	BU-20-VD-303-IN-DWG-0039	UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCL. BOM INCL. CRS	IFA	15-03-22					#VALUE!	
17811-07B	03	BU-20-VD-303-IN-DWG-0089	UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. BOM INCL. CRS	IFA	15-03-22					#VALUE!	
17811-08	05	BU-20-VD-303-QC-ITP-0005	INSPECTION & TEST PLAN (ITP)	AFC	18-01-22	06-01-22	20-01-22			19 days	0076
17811-09A	00	BU-20-VD-303-PR-LST-0014	UTILITY CONSUMPTION LIST FOR NITROGEN GAS BOOSTER	IFA	31-03-22					#VALUE!	
17811-09B	00	BU-20-VD-303-PR-LST-0067	UTILITY CONSUMPTION LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	31-03-22					#VALUE!	
17811-10A	05	BU-20-VD-303-EL-DSH-0051	COMPRESSOR MOTOR DATA SHEET FOR NITROGEN GAS BOOSTER	AFC	14-02-22	31-01-22	14-02-22			2 days	0090
17811-10B	05	BU-20-VD-303-EL-DSH-0099	COMPRESSOR MOTOR DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AFC	14-02-22	31-01-22	14-02-22			2 days	0090
17811-11A	03	BU-20-VD-303-ME-DSH-0022	MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	15-03-22					#VALUE!	
17811-11B	02	BU-20-VD-303-ME-DSH-0017	AFTER COOLER MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER	IFA	31-01-22	07-02-22	21-02-22			-5 days	0092
17811-11C	01	BU-20-VD-303-ME-DSH-0027	PULSATION DAMPER MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER	IFA	15-03-22					#VALUE!	
17811-11D	02	BU-20-VD-303-EL-DWG-0021	LUBE OIL SYSTEM HEATER DATA SHEET AND DRAWING FOR NITROGEN GAS BOOSTER	IFA	31-03-22					#VALUE!	
17811-11E	03	BU-20-VD-303-ME-DSH-0019	MAIN OIL PUMP MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER	AB	after FAT					#VALUE!	
17811-11F	03	BU-20-VD-303-ME-DSH-0020	LUBE OIL SYSTEM FILTER MECHANICAL DATA SHEET FOR NITROGEN GAS BOOSTER	AB	after FAT					#VALUE!	
17811-11G	03	BU-20-VD-303-ME-DSH-0075	MECHANICAL DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	15-03-22					#VALUE!	
17811-11H	01	BU-20-VD-303-ME-DSH-0070	AFTER COOLER MECHANICAL DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	19-01-22	07-02-22	21-02-22			-5 days	0092
17811-11I	01	BU-20-VD-303-ME-DSH-0028	PULSATION DAMPER MECHANICAL DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	15-03-22					#VALUE!	
17811-11J	03	BU-20-VD-303-EL-DWG-0074	LUBE OIL SYSTEM HEATER DATA SHEET AND DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AFC	31-03-22					#VALUE!	
17811-11K	03	BU-20-VD-303-ME-DSH-0072	MAIN OIL PUMP MECHANICAL DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AB	after FAT					#VALUE!	

17811-11L	03	BU-20-VD-303-ME-DSH-0073	LUBE OIL SYSTEM FILTER MECHANICAL DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AB	after FAT				#VALUE!	
17811-12A	04	BU-20-VD-303-IN-DSH-0040	INSTRUMENT DATA SHEET FOR NITROGEN GAS BOOSTER	CRS	07-02-22	03-02-22	08-02-22		6 days	0091
17811-12A	05	BU-20-VD-303-IN-DSH-0040	INSTRUMENT DATA SHEET FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	07-02-22				#VALUE!	
17811-12B	04	BU-20-VD-303-IN-DSH-0090	INSTRUMENT DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	CRS	07-02-22	03-02-22	08-02-22		6 days	0091
17811-12B	05	BU-20-VD-303-IN-DSH-0090	INSTRUMENT DATA SHEET FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	07-02-22				#VALUE!	
17811-13	00	BU-20-VD-303-ME-LST-0055	Commissioning and start-up spare parts list	IFI	15-02-22				49 days	
17811-14	01	BU-20-VD-303-QC-PRC-0009	Compressor FAT test procedure incl. CRS	IFA	28-01-22	10-02-22	24-02-22		49 days	0095
17811-15	02	BU-20-VD-303-QC-PRC-0007	NDE procedure incl. CRS	IFA	31-01-22				#VALUE!	
17811-16	00	BU-20-VD-303-ME-DWG-0029	ALL EQUIPMENT NAME PLATE DRAWING	IFA	15-02-22				#VALUE!	
17811-18	03	BU-20-VD-303-PI-DCR-0010	Surface preparation & painting procedure	AFC	22-11-21	24-01-22	07-02-22		7 days	0088
17811-19	00	BU-20-VD-303-DC-INX-0061	FINAL DATA BOOK INDEX FOR RECIPROCATING COMPRESSOR & NITROGEN GAS BOOSTER	IFA	31-03-22				#VALUE!	
17811-20	00	BU-20-VD-303-ME-MNL-0012	Installation, operation & maintenance manual	IFA	after FAT				#VALUE!	
17811-21A	04	BU-20-VD-303-PR-DPH-0046	CONTROL PHILOSOPHY FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	28-02-22				#VALUE!	
17811-22	00	BU-20-VD-303-PE-PRC-0008	Packing, marking shipping & preservation procedure	IFA	15-02-22				#VALUE!	
17811-23A	01	BU-20-VD-303-ME-DWG-0018	AFTER COOLER DETAIL DRAWING FOR NITROGEN GAS BOOSTER	IFA	15-02-22	07-02-22	21-02-22		-5 days	00092
17811-23B	01	BU-20-VD-303-ME-DWG-0071	AFTER COOLER DETAIL DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	15-02-22	07-02-22	21-02-22		-5 days	00092
17811-23C	00	BU-20-VD-303-ME-DWG-0079	PULSATION DAMPER DETAIL DRAWING FOR NITROGEN GAS BOOSTER	IFA	15-03-22				-21 days	
17811-23D	00	BU-20-VD-303-ME-DWG-0080	PULSATION DAMPER DETAIL DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	15-03-22				-21 days	
17811-24A	00	BU-20-VD-303-ME-CAL-0016	AFTER COOLER MECHANICAL STRENGTH CALCULATION FOR NITROGEN GAS BOOSTER	IFI	20-02-22				-4 days	
17811-24B	00	BU-20-VD-303-ME-CAL-0069	AFTER COOLER MECHANICAL STRENGTH CALCULATION FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFI	20-02-22				-4 days	
17811-24C	00	BU-20-VD-303-ME-CAL-0026	PULSATION DAMPER MECHANICAL STRENGTH CALCULATION FOR NITROGEN GAS BOOSTER	IFI	15-03-22				-21 days	
17811-24D	00	BU-20-VD-303-ME-CAL-0078	PULSATION DAMPER MECHANICAL STRENGTH CALCULATION FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFI	15-03-22				-21 days	
17811-27A	03	BU-20-VD-303-PR-LST-0042	CAUSE & EFFECT CHART LIST FOR NITROGEN GAS BOOSTER	AFC	31-01-22	24-01-22	07-02-22		7 days	0088
17811-30A	01	BU-20-VD-303-IN-DIG-0036	LOOP DIAGRAM FOR NITROGEN GAS BOOSTER	IFA	31-03-22				#VALUE!	
17811-30B	01	BU-20-VD-303-IN-DIG-0086	LOOP DIAGRAM FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	31-03-22				#VALUE!	
17811-32A	03	BU-20-VD-303-IN-DIG-0035	LOGIC DIAGRAMS-PROGRAM OF UCP - COMPRESSOR SHUTDOWN LOGIC DRAWING FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	31-03-22				#VALUE!	
17811-32B	03	BU-20-VD-303-IN-DIG-0085	LOGIC DIAGRAMS-PROGRAM OF UCP - COMPRESSOR SHUTDOWN LOGIC DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	31-03-22				#VALUE!	
17811-36A	04	BU-20-VD-303-IN-LST-0037	TRIP & ALARM SETPOINT LIST FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	28-02-22				#VALUE!	
17811-36B	01	BU-20-VD-303-IN-LST-0087	TRIP & ALARM SETPOINT LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	IFA	27-10-21	04-11-21	18-11-21		64 days	0046
17811-38A	02	BU-20-VD-303-IN-DWG-0033	INSTRUMENT HOOK UP DRAWING FOR NITROGEN GAS BOOSTER INCL. CRS	IFA	31-01-22	14-02-22	28-02-22		-10 days	0096
17811-38B	01	BU-20-VD-303-IN-DWG-0103	INSTRUMENT HOOK UP DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	31-01-22	14-02-22	28-02-22		-10 days	0096
17811-39A	04	BU-20-VD-303-EL-DWG-0053	COMPRESSOR MOTOR OUTLINE DRAWING & TERMINAL BOX WIRING DIAGRAM FOR NITROGEN GAS BOOSTER	AB	after FAT				#VALUE!	
17811-39B	03	BU-20-VD-303-EL-DWG-0101	COMPRESSOR MOTOR OUTLINE DRAWING & TERMINAL BOX WIRING DIAGRAM FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AB	after FAT				#VALUE!	
17811-42	00	BU-20-VD-303-ME-LST-0054	Two years spare parts list	IFI	15-06-22				-87 days	
17811-43	02	BU-20-VD-303-PE-LST-0002	Sub vendor list incl. CRS	IFA	15-11-21	16-11-21	30-11-21		56 days	0051
17811-44B	03	BU-20-VD-303-ME-DSH-0082	DATA SHEET & DRAWINGS FOR STRAINERS FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AFC	15-11-21	14-12-21	28-12-21		36 days	0068
17811-45A	04	BU-20-VD-303-IN-DSH-0041	CALCULATION & DATA SHEET OF CONTROL VALVES / ON-OFF VALVES FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	07-02-22	03-02-22	17-02-22		-3 days	0091
17811-45B	03	BU-20-VD-303-IN-DSH-0091	CALCULATION & DATA SHEET OF CONTROL VALVES / ON-OFF VALVES FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	07-02-22	07-02-22	21-02-22		-5 days	0093
17811-46A	01	BU-20-VD-303-IN-DIG-0044	ARCHITECTURE DIAGRAM FOR NITROGEN GAS BOOSTER	IFA	31-03-22				#VALUE!	
17811-46B	01	BU-20-VD-303-IN-DIG-0094	ARCHITECTURE DIAGRAM FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	31-03-22				#VALUE!	





17811-47	00	BU-20-VD-303-IN-DSH-0045	WORKSTATION DRAWING AND DATA SHEET	IFA	31-03-22						-33 days	
17811-48	00	BU-20-VD-303-PR-PRC-0047	HAZOP AND SIL STUDY PROCEDURE	IFI	02-08-21	24-09-21	08-10-21				93 days	0026
17811-49A	02	BU-20-VD-303-EL-DIG-0049	SINGLE LINE DIAGRAM FOR POWER DISTRIBUTION PANEL FOR NITROGEN GAS BOOSTER INCL. CRS	IFA	15-03-22						#VALUE!	
17811-49B	03	BU-20-VD-303-EL-DIG-0097	SINGLE LINE DIAGRAM FOR POWER DISTRIBUTION PANEL FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	IFA	15-03-22						#VALUE!	
17811-52A	01	BU-20-VD-303-IN-DSH-0015	CALCULATION & DATA SHEET OF SAFETY VALVE FOR NITROGEN GAS BOOSTER INCL. CRS	IFA	18-10-21	27-10-21	10-11-21				70 days	0042
17811-52B	01	BU-20-VD-303-IN-DSH-0068	CALCULATION & DATA SHEET OF SAFETY VALVE FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	IFA	26-10-21	27-10-21	10-11-21				70 days	0042
17811-53B	03	BU-20-VD-303-IN-LST-0088	INSTRUMENT CABLE LIST & SHEDULE FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	AFC	07-02-22	10-02-22	24-02-22				-8 days	0094
17811-54A	02	BU-20-VD-303-EL-DIG-0052	COMPRESSOR MOTOR CURVE FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	15-03-22						#VALUE!	
17811-54B	02	BU-20-VD-303-EL-DIG-0100	COMPRESSOR MOTOR CURVE FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	15-03-22						#VALUE!	
17811-55	00	BU-20-VD-303-ME-LST-0056	Special tool list	IFI	15-03-22						#VALUE!	
17811-56A	02	BU-20-VD-303-IN-LST-0057	MODBUS LIST FOR NITROGEN GAS BOOSTER INCL. CRS	IFA	31-03-22						#VALUE!	
17811-56B	02	BU-20-VD-303-IN-LST-0102	MODBUS LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	IFA	31-03-22						#VALUE!	
17811-57A	00	BU-20-VD-303-EL-DWG-0058	LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER	IFA	25-07-21	21-10-21	04-11-21				74 days	0040
17811-57B	00	BU-20-VD-303-EL-DWG-0059	LV DISTRIBUTION PANEL DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	25-07-21	21-10-21	04-11-21				74 days	0040
17811-59A	01	BU-20-VD-303-ME-DWG-0024	RECIPOCRATING COMPRESSOR DETAIL DRAWING WITH PARTS LIST FOR NITROGEN GAS BOOSTER	IFI	31-03-22						#VALUE!	
17811-59B	01	BU-20-VD-303-ME-DWG-0077	RECIPOCRATING COMPRESSOR DETAIL DRAIWNIG WITH PARTS LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFI	31-03-22						#VALUE!	
17811-65A	02	BU-20-VD-303-EL-LST-0048	ELECTRICAL LOAD LIST FOR NITROGEN GAS BOOSTER	AFC	26-10-21	29-10-21	12-11-21				68 days	0043
17811-65B	02	BU-20-VD-303-EL-LST-0096	ELECTRICAL LOAD LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	26-10-21	29-10-21	12-11-21				68 days	0043
17811-70	00	BU-20-VD-303-DC-VDR-0062	FINAL DATA BOOK FOR RECIPROCATING COMPRESSOR & NITROGEN GAS BOOSTER	IFI	after FAT						#VALUE!	
17811-71A	00	BU-20-VD-303-PI-DWG-0030	3D MODEL FOR NITROGEN GAS BOOSTER	IFA	with GAD						#VALUE!	
17811-71B	00	BU-20-VD-303-PI-DWG-0081	3D MODEL FOR EMERGENCY INSTRUMENT AIR COMPRESSOR	IFA	with GAD						#VALUE!	
17811-72A	04	BU-20-VD-303-IN-INX-0032	INSTRUMENT INDEX FOR NITROGEN GAS BOOSTER INCL. CRS	AFC	28-02-22						#VALUE!	
17811-72B	03	BU-20-VD-303-IN-INX-0083	INSTRUMENT INDEX FOR EMERGENCY INSTRUMENT AIR COMPRESSOR INCL. CRS	AFC	28-02-22						#VALUE!	
17811-73	02	BU-20-VD-303-PC-SCH-0003	TIME SCHEDULE	IFI	04-10-21	05-10-21	19-10-21				86 days	0028
17811-74	00	BU-20-VD-303-PC-MRP-0004	BI-WEEKLY REPORT	IFR	monthly	14-09-21	28-09-21				101 days	0020
17811-74	01	BU-20-VD-303-PC-MRP-0004	BI-WEEKLY REPORT	IFR	bi-weekly	14-01-22	28-01-22				13 days	0084
17811-75	02	BU-20-VD-303-PR-LST-0063	TIE-IN POINT LIST	AFC	15-11-21	12-11-21	26-11-21				58 days	0050
17811-77	03	BU-20-VD-303-PR-LST-0065	PIPING LINE LIST	AFC	15-03-22						#VALUE!	

<b>OWNER:</b>  شرکت مست و سوبی آفر ایرانین (سهانی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						<b>EPC CONTRACTOR:</b>  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>							<b>Vendor:</b> 	
<b>MC:</b>  شرکت مست و سوبی آفر ایرانین (سهانی ناس)	<b>Project</b>	<b>Area</b>	<b>Phase</b>	<b>Unit</b>	<b>Dis.</b>	<b>Doc.</b>	<b>Seq.</b>	<b>Contract No : 52-98/445</b>	
<b>Owner Document Number: 17811-08</b>	<b>BU</b>	<b>20</b>	<b>VD</b>	<b>303</b>	<b>QC</b>	<b>ITP</b>	<b>0005</b>	<b>Rev.:</b>	<b>Page</b>
								04	1 of 19

## Inspection and Test Plan for reciprocating compressor MEG-303

 شرکت مست و سوبی آفر ایرانین (سهانی ناس)	 Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>
<b>Document Review</b>		
<b>Issue Purpose:</b>	IFA	
<b>Result Code: AP,AN,CM,RE,NC</b>	AP	
<b>Next Status : IFC,IFA,IFI,AFC,AB</b>	AFC	
<b>Responsible Department</b>	INSPECTION	
<b>Commented Date</b>		
<b>Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.</b>		





Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
04	26/11/2021	For approval;	JB	JR	PW	
03	29/10/2021	For approval;	JB	JR	PW	
02	27/08/2021	For approval;	JB	JR	PW	
01	17/06/2021	For approval	KP	JR	PW	
00	30/10/2020	For approval	KP	JR	PW	
					<b>Class: 1</b>	<b>Phase: P</b>

OWNER:  شرکت سست و سوا ایرانین (سهانی نام)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>	EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture B.U.P.C. MEG PLANT PROJECT  						
MC:  شرکت سست و سوا ایرانین (سهانی نام)	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>							
Owner Document Number: 17811-08	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
BU	20	VD	303	QC	ITP	0005	04	Page 2 of 19

### TABULATION OF REVISED PAGES





Page	D00	D01	D02	D03	D04
1.	X	X	X	X	X
2.	X	X	X	X	X
3.	X	X	X	X	X
4.	X	X	X	X	X
5.	X	X	X	X	X
6.	X	X	X	X	X
7.	X	X	X	X	X
8.	X	X	X	X	X
9.	X	X	X	X	X
10.		X	X	X	X
11.		X	X	X	X
12.		X	X	X	X
13.		X	X	X	X
14.		X	X	X	X
15.		X	X	X	X
16.		X	X	X	X
17.		X	X	X	X
18.		X	X	X	X
19.		X	X	X	X
20.		X	X		
21.		X	X		
22.			X		
23.			X		
24.					
25.					
26.					
27.					
28.					
29.					
30.					
31.					
32.					
33.					
34.					

Page	D00	D01	D02	D03	D04
35.					
36.					
37.					
38.					
39.					
40.					
41.					
42.					
43.					
44.					
45.					
46.					
47.					
48.					
49.					
50.					
51.					
52.					
53.					
54.					
55.					
56.					
57.					
58.					
59.					
60.					
61.					
62.					
63.					
64.					
65.					
66.					
67.					
68.					

<b>OWNER:</b>  شرکت مست و سول کوئو ایرپاکن (سهانی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>  <b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>	<b>EPC CONTRACTOR:</b>  Chagalesh-Enerchim-Steau Joint Venture B.U.P.C.-MEG PLANT PROJECT  																							
<b>MC :</b>  شرکت مست و سول کوئو ایرپاکن (سهانی ناس)		<table border="1"> <tr> <th>Project</th> <th>Area</th> <th>Phase</th> <th>Unit</th> <th>Dis.</th> <th>Doc.</th> <th>Seq.</th> <th>Contract No : 52-98/445</th> </tr> <tr> <td>BU</td> <td>20</td> <td>VD</td> <td>303</td> <td>QC</td> <td>ITP</td> <td>0005</td> <td>Rev.: 04</td> </tr> <tr> <td colspan="7"></td> <td>Page 3 of 19</td> </tr> </table>	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	BU	20	VD	303	QC	ITP	0005	Rev.: 04							
Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445																		
BU	20	VD	303	QC	ITP	0005	Rev.: 04																		
							Page 3 of 19																		
<b>Owner Document Number: 17811-08</b>																									

## Table of Contents

<b>1. GENERAL.....</b>	<b>4</b>
1.1. SCOPE .....	4
1.2. DEFINITION OF TERMS.....	4
1.3. APPLICABLE CODES AND STANDARDS.....	7
1.4. ABBREVIATIONS .....	7
2. INSPECTION Requirements.....	7
3. INSPECTION AND TEST PLAN TABLE .....	9

OWNER:  شرکت مست و سوبی گوسه ایرانین (سهانی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>							EPC CONTRACTOR:  Chagalesh-Enerchim-Steem Joint Venture B.U.P.C. MEG PLANT PROJECT	
MC :  شرکت مست و سوبی گوسه ایرانین (سهانی ناس)	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>								
Owner Document Number: 17811-08	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
	BU	20	VD	303	QC	ITP	0005	Rev.:	Page
								04	4 of 19

## 1. GENERAL

### 1.1. Scope

This Inspection Test Plan (ITP) covers the minimum requirements for inspection, testing and fabricating of reciprocating compressor used in the MEG plant of Bushehr Petrochemical Project.

The EPCC/Supplier shall in any case conduct all the tests required by contractual documents, specifications, codes and standards and keep the relevant documentation.

Where required, Inspection Test Plan (ITP) will be finalized during the pre-inspection meeting.

The EPCC/Supplier is responsible for the adequacy and compliance of inspection and tests of equipment with the applicable code and standards requirements, the process conditions and/or other conditions as specified in this ITP.

The OWNER's Inspection and Test Plan for equipment is an engineering document, which defines:





- The type and extent of OWNER's Representative Involvement in each phase of fabrication, control and testing requiring an inspection.
- The resulting EPCC/VENDOR's contractual obligations in accordance with general purchase condition.

During the course of project execution, if an activity is found to be necessary but not covered in the ITP table, any party's proposal shall be prepared describing the items in ITP format for activity and issued to OWNER/MC for approval prior to commencement of the referred activity.

Compliance with this document and the accompanying data does not relieve the EPCC/VENDOR from his own responsibilities and guarantees nor from any further contractual obligations.





### 1.2. Definition of Terms

The following defines the meaning of specific words used in this document:





<b>OWNER:</b>  شرکت مست و سوهی توهه ایرانین (سماهی نایس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>							<b>EPC CONTRACTOR:</b>  Chagalesh-Enershimi-Steam Joint Venture B.U.P.C-MEG PLANT PROJECT	
	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>								
<b>MC :</b>  شرکت مست و سوهی توهه ایرانین (سماهی نایس)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
<b>Owner Document Number: 17811-08</b>	BU	20	VD	303	QC	ITP	0005	Rev.:	Page
								04	5 of 19

<b>Owner</b>	Bushehr Petrochemical Company (BUPC)
<b>MC</b>	Samt-O-Sou-Ye Tose-Eye Iranian (SSTI) Company & Namvaran Delvar Engineering & Construction Company (NDEC).
<b>EPCC</b>	Joint Venture of Chagalesh, Enershimi and Steam (CES)
<b>Supplier / Vendor</b>	Means the company who will supply and/or manufacture equipment(s) and/or materials under Purchase Order issued by the EPCC , which is FGS Global AB Company for this Contract.
<b>Project</b>	Phase 2 Bushehr Petrochemical Project, MEG Plant
<b>Location</b>	South of IRAN, Bushehr Province, Assaluyeh city
<b>Third Party Inspection Agency (TPA)</b>	The Company that is responsible for Inspecting of all tests and documents review as Client's representative and checking of fabricated equipment/commodities conformity with Approved procedures and documents before, during and end of manufacturing.
<b>Shall</b>	Refer to a mandatory requirement.
<b>ITP</b>	Inspection and Test Plan
<b>MR</b>	Material Requisition
<b>P.O</b>	Purchase Order
<b>PIM</b>	Pre-Inspection Meeting
<b>IRN</b>	Inspection Release Note
<b>MTC</b>	Material test certificate

OWNER/MC shall be consulted in writing in every case of conflict, for approval.

OWNER:  شرکت سست و سوبی گیسو ایرپک (سهانی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>							EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BU PC-MEG PLANT PROJECT 	
MC :  شرکت سست و سوبی گیسو ایرپک (سهانی ناس)	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>							Contract No : 52-98/445	
Owner Document Number: 17811-08								Project	Area
	BU	20	VD	303	QC	ITP	0005	04	6 of 19

- **HOLD POINT (H):** Hold point is a designate point during or following specific activity which are defined in ITP and which inspection or examination shall not proceed unless the designate parties have witnessed the inspection or examination or test.
- **WITNESS POINT (W):** A designated point during or following an important activity at which inspection or examination is required in accordance with the relative procedure. Work may proceed through the designated witness point if the required party is not present for the previously established activity, provided that inspection and test records are made available to OWNER/MC/TPI for review.
- **SPOT WITNESS POINT (20% W):** A designated point during or following an activity at which spot inspection or spot examination is required in accordance with the relative procedure. Work may proceed through the designated spot witness point if the required party is not present for the previously established activity.  
 This may include a wide variety of actions taken by in charge person to inspect, check, control of activities and their sequence by means of observation, information collection, and verbal instruction, verify the routing and supporting documents for the purpose of proper expedition. Any non-conformity found during above mentioned inspection by TPI shall be reported to OWNER/MC immediately.  
**REVIEW POINT (R):** It is processed through reviewing any results of inspection or test as a method of ensuring that the inspection or test is performed in accordance with any approved drawing, procedure, specifications or acceptance criteria.  
 Inspection result shall review, but presence of involved party at inspection time is not mandatory, all documents shall be sign and stamp as reviewed and results all activates shall be specified clearly by term Accepted/Rejected.

<b>OWNER:</b>  شرکت مست و سون گاز ایران (سهانی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>	<b>EPC CONTRACTOR:</b>  Chagalesh-Enerchim-Stein Joint Venture B.U.P.C. MEG PLANT PROJECT 										
<b>MC :</b>  شرکت مست و سون گاز ایران (سهانی ناس)	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>							<b>Contract No : 52-98/445</b>				
<b>Owner Document Number: 17811-08</b>	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Rev.:</td> <td style="width: 50%;">Page</td> </tr> <tr> <td style="text-align: center;">04</td> <td style="text-align: center;">7 of 19</td> </tr> </table>	Rev.:	Page	04	7 of 19
Rev.:	Page											
04	7 of 19											
	BU	20	VD	303	QC	ITP	0005					

- **REVIEW & APPROVAL (RA):** RA means that the document reviewed by involved parties shall be signed and stamped as reviewed & approved. Where a document is specified to be subjected to a party`s approval, work shall not be proceeding until this approval to be obtained.

### 1.3. Applicable codes and standards

ASME VIII Div. 1

ASME XI

ASME B31.3

AWS D1.1

API 618 (latest edition) with deviations and clarifications as per PO

### 1.4. Abbreviations

E.P.M = engineering and production manual, can be supplied on request

## 2. INSPECTION REQUIREMENTS

- OWNER/MC could have witness during and on any of the manufacturing steps.
- EPCC/Supplier shall inform other parties for 7 calendar days prior to subjected action for H/W/SW inspection points for LOCAL inspection.

OWNER:



شرکت سست و سوهی تهر ایرانین  
(سهایی نهایی)

**BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT**

EPC CONTRACTOR:



Chagalesh-Enerchimi-Steem  
Joint Venture  
BUPC-MEG PLANT PROJECT



MC:




**Inspection and Test Plan (ITP) for  
Reciprocating Compressor-MEG-303**


Owner Document Number:  
17811-08

Project	Area	Phase	Unit	Dis.	Doc.	Seq.
BU	20	VD	303	QC	ITP	0005

Contract No : 52-98/445	
Rev.:	Page
04	8 of 19



- EPCC/Supplier shall inform OWNER/MC for 14 calendar days prior to subjected action for H/W/SW inspection points for OVERSEAS inspection.
- All items and their materials shall be inspected according to OWNER/MC's requirements. However, the acceptance of any work and/or release of the material/equipment by the OWNER /MC shall in no way relieve the supplier of any responsibility for carrying out all the provisions of the applicable codes, standards and the specification.
- Inspectors or representatives shall have free access to all shops of the supplier or sub-supplier.

**OWNER:**



شرکت سست ایتا سولار  
ایران

**MC:**


Owner Document Number: 17811-08

**BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT**


**Inspection and Test Plan (ITP) for Reciprocating  
Compressor-MEG-303**

Project	Area	Phase	Unit	Dis.	Doc.	Seq.
BU	20	VD	303	QC	ITP	0005

**EPC CONTRACTOR:**





Changesh-Enerchim-Steam  
Joint Venture  
BUPC-MEG PLANT PROJECT







Contract No : 52-98/445

Rev.:	Page
04	9 of 19

**3. INSPECTION AND TEST PLAN TABLE**

Row	Activities	Reference Documents	Acceptance Criteria	Verifying Document	Action			
					Manufacturer/Vendor	CES Contractor	BUPC/MC	
A.1	Kick of Meeting (KOM)	Contract/PO	Contract/PO	MOM	 	H	R	H

OWNER:  شرکت سستی (دعای نوری)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>	EPC CONTRACTOR:  Chugan-Enerchem-Stein Joint Venture BEPC-MEG PLANT PROJECT																	
MC: 	<b>Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303</b>																		
Owner Document Number: 17811-08	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Project</th> <th>Area</th> <th>Phase</th> <th>Unit</th> <th>Dis.</th> <th>Doc.</th> <th>Seq.</th> </tr> <tr> <td>BU</td> <td>20</td> <td>VD</td> <td>303</td> <td>QC</td> <td>ITP</td> <td>0005</td> </tr> </table>	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	BU	20	VD	303	QC	ITP	0005	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Contract No : 52-98/445</td> </tr> <tr> <td>Rev.: 04</td> </tr> <tr> <td>Page 10 of 19</td> </tr> </table>	Contract No : 52-98/445	Rev.: 04	Page 10 of 19
Project	Area	Phase	Unit	Dis.	Doc.	Seq.													
BU	20	VD	303	QC	ITP	0005													
Contract No : 52-98/445																			
Rev.: 04																			
Page 10 of 19																			

Item No.	Pre-Inspection Meeting (PIM)	Project Specification	Project Specification	Project Specification	Unit	Dis.	Doc.	Seq.	Rev.	Page
B.1	Pre-Inspection Meeting (PIM)	Project Specification	Project Specification	MOM and ITP	303	QC	ITP	0005	04	10 of 19
B.2	Engineering documents	According to VPIS	Contract/PO	Approved Docs	303	QC	ITP	0005	04	10 of 19
B.3	Procedures	According to VPIS, Project Spec	According to VPIS, Project Spec	Approved Procedures	303	QC	ITP	0005	04	10 of 19
B.4	Welder Qualifications <sup>1</sup>	ASME Sec IX	ASME Sec IX	Welder Qualification Certificates	303	QC	ITP	0005	04	10 of 19
B.5	WPS & PQR	Project Spec, Related Standards, ASME Sec IX	Project Spec, Related Standards, ASME Sec IX	Approved WPS-PQR	303	QC	ITP	0005	04	10 of 19
B.6	NDT Personnel Qualification <sup>1</sup>	SNT-TC-1A	SNT-TC-1A	NDT Personnel Qualification Certificate	303	QC	ITP	0005	04	10 of 19
B.7	IECEX, IP, ATEX and SIL Certificate (as per Data Sheet)	API 618, Related Standards, Project Spec	API 618, Related Standards, Project Spec	Certificates	303	QC	ITP	0005	04	10 of 19

**Notes:**

1. Welder qualification and NDT personnel qualification will be presented during inspection if requested by the inspector, no prior approval required.

OWNER:



شرکت سستی  
مسابی (پارس)

MC :



BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT

**Inspection and Test Plan (ITP) for Reciprocating  
Compressor-MEG-303**

CONTRACTOR:



Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
BU	20	VD	303	QC	ITP	0005	Rev.: 04
Owner Document Number: 17811-08							Page 11 of 19

**SKID (S355)**

C-1	Raw Materials Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1	H	RA	RA	R
C-2	Welding	WPS/PQR	AWS D1.1 WPS/PQR	VT Report	H	SW	SW	R
C-3	NDT 100% MT on lifting lugs	NDT Procedure and NDT Map, AWS D1.1	NDT Procedure and NDT Map, AWS D1.1	NDT Report	H	SW	SW	R
C-4	Visual and Dimensions Inspection	GA, DWG, Data Sheet	GA, DWG, Data Sheet	Inspection Report	H	W	W	R
C-5	Painting Inspection (Check Visual, RAL and DFT) During FAT	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report	H	W	W	R

OWNER:



MC :



BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT

**Inspection and Test Plan (ITP) for Reciprocating  
Compressor-MEG-303**

CONTRACTOR:



Owner Document Number: 17811-08	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
	BU	20	VD	303	QC	ITP	0005	
								Rev.: 04
								Page 12 of 19

**Piping (CS)**

Item	Inspection Type	Reference	Procedure	Document	Unit	Dis.	Doc.	Seq.	Rev.	Page
D.1	Raw Materials Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1			H		RA	R
D.2	Visual & Dimensional (Fit-up)	Project Spec, GA, DWG, Data Sheet, WPS	Project Spec, GA, DWG, Data Sheet, WPS	QC Report			H		SW	R
D.3	Welding Inspection	WPS/PQR	ASME IX, WPS/PQR	VT Report			H		SW	R
D.4	NDT <sup>1</sup> 5% RT according ASME B31.3	NDT Procedure and NDT Map, ASME B31.3	NDT Procedure and NDT Map, ASME B31.3	NDT Report			H		SW	R
D.5	Hydrostatic Test	ASME 31.3, Hydrostatic Test Procedure	ASME B31.3, Hydrostatic Test Procedure	Hydrostatic Test Report, Inspection Report			H		W	R
D.6	Painting Inspection (Check Visual, RAL and DFT) During FAT	Surface Preparation Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report			H		W	R

<sup>1</sup> Action point for RT in NDT is RA for TPA and CES representative.

OWNER:  
 SSTI  
 شرکت سست آی بی  
 (معاونین)

MC:  
 SSTI  
 شرکت سست آی بی  
 (معاونین)

BUSHEHR PETROCHEMICAL COMPANY  
 MEG PLANT

**Inspection and Test Plan (ITP) for Reciprocating  
 Compressor-MEG-303**

Project	Area	Phase	Unit	Dis.	Doc.	Seq.
BU	20	VD	303	QC	ITP	0005

Owner Document Number: 17811-08

CONTRACTOR:  
 CES  
 Chagatay-B-Enerchim-Sigand  
 Joint Venture  
 BEPC-SFG PLANT PROJECT





 Airpack  
 Inspection

Contract No : 52-98/445  
 Rev.: 04  
 Page 13 of 19

**Pulsation damper (CS, ASME VIII Div 1)**

E.1	Raw Materials Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1	H	RA	RA	R
E.2	Visual & Dimensional	Project Spec and Drawing	Drawing	QC Report	H	SW	SW	R
E.3	Welding Inspection	WPS/PQR	ASME IX, WPS/PQR	VT Report	H	SW	SW	R
E.4	NDT <sup>2</sup> As per ASME VIII (if any)	NDT Procedure and NDT Map, ASME VIII	NDT Procedure and NDT Map, ASME VIII	NDT Report	H	RA	RA	R
E.5	Hydrostatic Test	ASME VIII, Hydrostatic Test Procedure	ASME VIII, Hydrostatic Test Procedure	Hydrostatic Test Report, Inspection Report	H	W	W	R
E.6	Painting Inspection (Check Visual, RAL and DFT) During FAT	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report	H	W	W	R

<sup>2</sup> Action point for RT in NDT is RA for TPA and CES representative. If there are other types of NDT, action points for those tests shall be SW for TPA and CES representative.


OWNER:  شرکت سستی دماوند	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						CONTRACTOR:  Chargesh-Enerchim-Steelm Joint Venture BEP-SEG-PLANT PROJECT	
	MC:  شرکت ایرپک دماوند	Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303						
Owner Document Number: 17811-08	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
	BU	20	VD	303	QC	ITP	0005	Rev.: 04
								Page 14 of 19

After cooler (SS, ASME VIII Div 1 and TEM C)


F.1	Raw Materials Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1	H	RA	RA	R
F.2	Visual & Dimensional	Project Spec and Drawing	Drawing	QC Report	H	SW	SW	R
F.3	Welding Inspection	WPS/PQR	ASME IX, WPS/PQR	VT Report	H	SW	SW	R
F.4	NDT <sup>3</sup> As per ASME VIII (if any)	NDT Procedure and NDT Map, ASME VIII	NDT Procedure and NDT Map, ASME VIII	NDT Report	H	RA	RA	R
F.5	Hydrostatic Test	ASME VIII, Hydrostatic Test Procedure	ASME VIII, Hydrostatics Test Procedure	Hydrostatic Test Report, Inspection Report	H	W	W	R
F.6	Painting Inspection (Check Visual, RAL and DFT) During FAT	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report	H	W	W	R

<sup>3</sup> Action point for RT in NDT is RA for TPA and CES representative. If there are other types of NDT, action points for those tests shall be SW for TPA and CES representative.

OWNER:



MC :



Owner Document Number: 17811-08

BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT



## Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303

Project	Area	Phase	Unit	Dis.	Doc.	Seq.
BU	20	VD	303	QC	ITP	0005

Contract No : 52-98/445






Rev.:	Page
04	15 of 19

CONTRACTOR:

Compressors		GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1	RA	RA	RA	RA
G.1	Raw Materials Inspection <sup>4</sup>	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MTC EN10204 type 3.1	H.J.R.			R
G.2	Components Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MCC, COC	H			R
G.3	Visual and Dimensions Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	Inspection Report	H			R
G.4	Hydrostatic Test	ASME VIII div.1 Hydrostatic Test Procedure	ASME VIII div.1 Hydrostatic Test Procedure	Hydrostatic Test Procedure	Hydrostatic Test Certificate	H.J.R.			R
G.5	Gas Leak Test (during FAT)	Gas Leak Test Procedure, API 618	Gas Leak Test Procedure, API 618	Gas Leak Test Procedure, API 618	Test Report	H			R
G.6	Painting Inspection (Check Visual, RAL and DFT) (During FAT)	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report	H			R

<sup>4</sup> For all pressured and components of compressor EN 10204 3.1 shall be presented.

OWNER:		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT		CONTRACTOR:					
 شرکت سستی مانی تاس		 شرکت ایرپک مانی تاس		 Chagatsh-Enerchemie-Stein Joint Venture BUGC-MEG PLANT PROJECT					
MC :		 شرکت سستی مانی تاس		 شرکت ایرپک مانی تاس					
Owner Document Number: 17811-08		Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
		BU	20	VD	303	QC	ITP	0005	Rev.:
									04
									Page
									16 of 19

Main motor									
	Components Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MCC, COC	H	RA	RA	R
H.1	Components Inspection	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	MCC, COC	H	RA	RA	R
H.2	Visual and Dimensions Inspection (During FAT)	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	GA, DWG, Data Sheet, Project Spec	Inspection Report	H	W	W	R
H.3	Type Test	IEC 60034-1, Data Sheet	IEC 60034-1, Data Sheet	IEC 60034-1, Data Sheet	Type Test Certificates and Reports	H	RA	RA	R
H.4	Painting Inspection (Check Visual, RAL and DFT) (During FAT)	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Surface Preparation and Painting procedure, SSPC	Painting report	H	W	W	R
H.5	Name Plate Check (During FAT)	GA, DWG, Data Sheet	GA, DWG, Data Sheet	GA, DWG, Data Sheet	Approved FAT Procedure; Equipment check list	H	W	W	R

OWNER:



شرکت سستای  
مهندسی و مشاوره

MC :



شرکت ملی صنایع پتروشیمی

BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT

**Inspection and Test Plan (ITP) for Reciprocating  
Compressor-MEG-303**

CONTRACTOR:





Chagalesh-Enerchim-Steam  
Joint Venture  
BUPC-MEG PLANT PROJECT




Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
BU	20	VD	303	QC	ITP	0005	
Owner Document Number: 17811-08							Rev.: 04
							Page 17 of 19

FAT							
I.	FAT Test Instrument	FAT procedure	Relevant Standards	Calibration certificate	H	RA	R
I.1	FAT Test Instrument calibration	General Arrangement Drawing P&ID	FAT Procedure	Calibration certificate	H	RA	R
I.2	Quality Inspection	General Arrangement Drawing P&ID	FAT Procedure	Approved FAT Procedure; Equipment Check List	H	W	R
I.3	P&ID Review	P&ID	FAT Procedure	Approved FAT Procedure; Equipment Check List	H	RA	R
I.4	Visual and Dimensions	General Arrangement Drawing	FAT Procedure	Approved FAT Procedure; Equipment Check List	H	W	R
I.5	Painting	Surface preparation and Painting Procedure, SSPC	Surface preparation and Painting Procedure, SSPC, FAT	Approved FAT Procedure; Equipment Check List	H	W	R
I.6	Control Panel	Wiring diagram Panel lay-out, FAT Procedure	FAT Procedure	FAT Test Report	H	W	R

**OWNER:**  شرکت سست ابرو صنعت پتروشیمی  
اصفهان

**MC :**  شرکت سست ابرو صنعت پتروشیمی  
اصفهان

**CONTRACTOR:**  **Airpack**  
Charadeh-Enerchim-Steem  
Joint Venture  
RUPC-MEG PLANT PROJECT

**BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT**

**Inspection and Test Plan (ITP) for Reciprocating  
Compressor-MEG-303**

Project	Area	Phase	Unit	Dis.	Doc.	Seq.
BU	20	VD	303	QC	ITP	0005

Contract No : 52-98/445

Rev.: 04

Page 18 of 19

Owner Document Number: 17811-08

I.7	Instruments	Wiring diagram P&ID, FAT Procedure	FAT Procedure	FAT Test Report	H	W	W	R
I.8	Function check control panel	Control Philosophy, Wiring Diagram, FAT Procedure	FAT Procedure	FAT Test Report	H	W	H	R
I.9	Mechanical Run Test, Performance Test	Control Philosophy P&ID	FAT Procedure	FAT Test Report	H	W	H	R
I.10	Noise level test	FAT Procedure	Equipment Data Sheet	FAT Test Report	H	W	H	R
I.11	Vibration level test	FAT Procedure	FAT Procedure	FAT Test Report	H	W	H	R
I.12	Leak test	Leak Test Procedure, FAT Procedure	FAT Procedure	FAT Test Report	H	W	W	R
I.13	Strip Down Test (if issue appear during Run-Test)	FAT Procedure	FAT Procedure	FAT Test Report	H	R	R	R

OWNER:



MC:



BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT

## Inspection and Test Plan (ITP) for Reciprocating Compressor-MEG-303

CONTRACTOR:



Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445
BU	20	VD	303	QC	ITP	0005	Rev.: 04
							Page 19 of 19

Final inspection							
	Punch Items Inspection	Punch list, Data Sheet,	MTO	Approved Signed Punch List	H	RA	R
J.1	Quantity Inspection	MTO, Data Sheet	MTO, Data Sheet	Inspection Report	H	RA	R
J.2	Two Years Spare Parts and Commissioning Inspection	MTO, Data Sheet	Two Years Spare Parts and Commissioning List, MTO	Approved Two Years Spare Parts and Commissioning Packing List	H	W	R
J.3	Packing and Marking Inspection	Packing and Marking Procedure	Packing and Marking Procedure	Signed Packing List	H	W	R
J.4	Manufacturer Certificates	Data Sheet, MR, GA, DWG	Data Sheet, MR, GA, DWG	MCC, COC	H	RA	R
J.5	Inspection release Note	Signed PL, MTO	Signed PL	Signed Inspection Release Note	H	R	R
J.6	FINAL DATA BOOK	Index Manufacturing Data Book, VPIs	Index Manufacturing Data Book, VPIs	Approved FDB	H	RA	R