











OWNER:  شرکت سست و سویی گیس ایران (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR:  Chagalesh-Enerschimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	
	MC :  شرکت سست و سویی گیس ایران (سهامی خاص)	LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER							
Owner Document Number: 17811-57A		Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No: 52-98/445
	BU	20	VD	303	EL	DWG	0058	Rev.:	Page
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## LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER

 شرکت سست و سویی گیس ایران (سهامی خاص)	 Chagalesh-Enerschimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
<b>Document Review</b>		
Issue Purpose:		AB
Result Code: AP,AN,CM,RE,NC		AP
Next Status : IFC,IFA,IFI,AFC,AB		-
Responsible Department		MECHANICAL
Commented Date		Oct.16,2022
<b>Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.</b>		

03	21/09/2022	As Built	RT	KP	JR	
02	05/09/2022	Approved for Construction	BK	KP	JR	
01	28/07/2022	For approval	BK	RB	KP	
00	21/10/2021	For approval	HT	RB	KP	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

<b>OWNER:</b>  شرکت مست و سوبی نوس ایرانیان (سهامی خاص)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						<b>EPC CONTRACTOR</b>  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER</b>						 Netherlands		
<b>MC :</b>  شرکت مست و سوبی نوس ایرانیان (سهامی خاص)	<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:</b> 17811-57A	BU	20	VD	303	EL	DWG	0058	<b>Rev.:</b>	<b>Page</b>
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Nr.	Description	Tag Number	Brand	Qty	Model Number
1.	Main Motor Running Lamp (Green)	3H15	Bartec	1	05-0003-001400
2.	Main Motor Stopped (Red)	3H13	Bartec	1	05-0003-001300
3.	Main Motor Permissive Lamp (Green)	3H17	Bartec	1	05-0003-001400
4.	Main Motor Fault (Red)	3H18	Bartec	1	05-0003-001300
5.	Ammeter	3V2	Schneider	1	16011
6.	Maintenance Switch Extended Rotary Handle	2Q3	Bartec	1	MSRH-002-0020A
7.	Thermal Protection Device	3U2	Schneider	1	SE.GV4PE115S
8.	Main Contactor	3U2.1	Schneider	1	SE.LC1D115BD
9.	Double Pole Circuit Breaker	4F4	Schneider	1	SE.A9N54606
10.	Secondary Contactor	4Q3	Schneider	1	SE.LUB12; SE.LUA1C11; SE.LUCA1XBL
11.	Solid State Relay	4U4	Omron	1	G3PE-215B 12-24VDC
12.	Three Pole Circuit Breaker	2F17	Schneider	1	SE.A9F74310
13.	Three Pole Circuit Breaker	3F3	Schneider	1	SE.A9N18469
14.	Maintenance Switch	2Q3	Schneider	1	SE.C16N32D160
15.	Current Transformer	3L1	Schneider	1	METSECT5CC020
16.	Power Supply	2V17	Phoenix Contact	1	2866462
17.	Interface Relays, 230VAC	3K8/12; 5K6	Phoenix Contact	3	2967060
18.	Single Pole Circuit Breaker	2F17.1	Schneider	1	SE.A9F79310
19.	P&ID Controller	4U15	Omron	1	OMR.E5CC-QX3D5M-005
20.	Interface Relays, 24VDC	3K9; 4K8/12/19; 5K4	Phoenix Contact	5	2966171

**Terminal Strip Definitions**

21.	Power Supply 400VAC from customer	X0	Weidmuller	5	1802780000
22.	Main Motor	X1	Weidmuller	4	1020500000
23.	Oil Heater	X2	Weidmuller	3	1020100000
24.	Signal To/From UCP	X8	Weidmuller	22	1031400000
25.	Connection PT100	X10	Weidmuller	2	1020100000

GENERAL NOTES

1. Tag numbers correspond with electrical diagram  
2. All the parts that are on the list in the panel layout will be included in the IOM.

REFERENCE DRAWINGS	DWG.No.
BU-20-VD-303-IN-DIG-0043 UCP/LCP/UB WIRING DIAGRAM FOR NITROGEN GAS BOOSTER	17811-05A
BU-20-VD-303-IN-DIG-0049 SINGLE LINE DIAGRAM FOR POWER DISTRIBUTION PANEL FOR NITROGEN GAS BOOSTER	17811-049A

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
03	14/09/22	As Built	RT	RB	RB	-
02	30/08/22	For Construction	HT	BK	BK	-
01	27/07/22	For Approval	HT	BK	BK	-
00	20/10/21	For Approval	HT	RB	RB	-

OWNER:  MC:  CONTRACTOR: 

PROJECT: **BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT**

DRAWING TITLE: **17811-57A  
LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER**

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE					
52-98/445	XX	A0	1	P					
DOCUMENT NO.	PROJECT	AREA	PHASE	MRO No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
BU-20-VD-303-EL-DWG-0058	BU	20	VD	303	EL	DWG	0058	1 OF 2	03

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