

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	I/O LIST FOR F&G SYSTEMS								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D04	شماره صفحه: 1 از 14

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR F&G SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

D04	FEB.2024	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D03	NOV.2022	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D02	OCT.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	MAY.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	FEB.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1

CLIENT Doc. Number: F0Z-708970

status:

IDC: Inter-Discipline Check

IFC: Issued For Comment

IFA: Issued For Approval

AFD: Approved For Design

AFC: Approved For Construction

AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built -Approved

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I/O LIST FOR F&G SYSTEMS								
شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 2 از 14
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D04	

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X	X	X	65					
2	X	X	X	X	X	66					
3	X	X				67					
4	X	X	X	X	X	68					
5	X	X	X	X	X	69					
6	X	X	X	X	X	70					
7	X	X	X	X	X	71					
8	X	X	X	X	X	72					
9		X	X	X	X	73					
10		X	X	X	X	74					
11		X	X	X	X	75					
12		X	X	X	X	76					
13		X	X	X	X	77					
14		X	X	X	X	78					
15			X	X		79					
16			X	X		80					
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I/O LIST FOR F&G SYSTEMS								
شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 3 از 14
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D04	

REFERENCES(NOTE 2):

F&G LOCATION LAYOUT FOR PROCESS Area	BK-GCS-PEDCO-120-IN-PY-0005
F&G LOCATION LAYOUT FOR BUILDINGS	BK-GCS-PEDCO-120-IN-PY-0006
DATA SHEET FOR MATRIX PANEL	BK-GCS-PEDCO-120-IN-DT-0017
ESD LEVEL HIERARCHY	BK-GCS-PEDCO-120-IN-DG-0003
FIRE & GAS DETECTION DESIGN CRITERIA	BK-GCS-PEDCO-120-IN-DC-0001

GENERAL NOTE

- ALL LISTED FACP'S SIGNALS SHALL BE MONITORED IN F&G SYSTEM BY MODBUS CONNECTION.
- REFER TO LATEST VERSION OF REFERENCE DOCUMENTS.
- ALL RELAYS & I.S. BARRIERS INSTALLED IN F&G PANEL SHALL BE SIL CERTIFIED. ALL RELAYS SHALL BE LINE-MONITORED
- GALVANIC ISOLATION BARRIER SHALL BE CONSIDERED FOR INTRINSICALLY SAFE (EExia) LOOPS.
- I/O CARDS & ACCESSORIES SHALL BE SELECTED IN ACCORDANCE WITH " SPECIFICATION FOR CONTROL SYSTEM".

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
I/O LIST FOR F&G SYSTEMS								
شماره پیمان:	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D04
شماره صفحه: 4 از 14								

F&G I/O SUMMERY COUNT							
ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+20% SPARE)	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	86	104	NOTES 4,5
2	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	61	74	
3	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	112	135	

ABBREVIATIONS:

I/O : INPUT / OUTPUT	DCS : DISTRIBUTED CONTROL SYSTEM
DI : DIGITAL INPUT SIGNAL	ESD : EMERGENCY SHUT DOWN SYSTEM
DO : DIGITAL OUTPUT SIGNAL	F&G : FIRE AND GAS CONTROL SYSTEM
AI : ANALOGUE INPUT SIGNAL	MCC : MOTOR CONTROL CENTER
AO : ANALOGUE OUTPUT SIGNAL	IRP : INTERPOSING RELAY PANEL
IND : INDICATION	CH : CHANNEL
STA : STATUS	ADD : ADDRESS
COM : COMMAND	TB : TERMINAL BLOCK
IS : INTRINSICALLY SAFE	R : REDUNDANT
NIS : NON INTRINSICALLY SAFE	NR : NON-REDUNDANT
MAC : MANUAL CALL POINT	BR : BLUE BEACON
HN : HORN	BB : RED BEACON
LHD : LINEAR HEAT DETECTOR	FGD : FLAMMABLE GAS DETECTOR
SD : SMOKE DETECTOR	TGD : TOXIC GAS DETECTOR
BL : BELL	FD : FLAME DETECTOR
FACP : FIRE ALARM CONTROL PANEL	IRP : INTERFACE RELAY PANEL

 NISOC			نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  												
NO LIST FOR F&G SYSTEMS																									
شماره پیمان:			پروژه	پیشنه کاری	صاحبکار	تجهیزات	رشته	نوع متریک	میدان	نسبه															
053 - 073 - 9184			BK	GCS	PEDCO	120	IN	LI	0004	D04															
شماره صفحه: 5 از 14																									
SIGNALS TO F&G SYSTEM																									
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE/ Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRE/CON V)	REMARK	REV.
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L			
FOR PROCESS AREA																									
1	MAC-1001	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
2	MAC-1002	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
3	HN-1001	Horn	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
4	BR-1001	Beacon - Red	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
5	BB-1001	Beacon - Blue	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
6	BY-1001	Beacon - Yellow	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
7	MAC-2001	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
8	MAC-2002	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
9	MAC-2003	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
10	HN-2001	Horn	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
11	BR-2001	Beacon - Red	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
12	BB-2001	Beacon - Blue	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
13	BY-2001	Beacon - Yellow	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
14	MAC-3001	Manual Call Point	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
15	HN-3001	Horn	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
16	BR-3001	Beacon - Red	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
17	BB-3001	Beacon - Blue	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
18	BY-3001	Beacon - Yellow	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
19	MAC-4001	Manual Call Point	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
20	MAC-4002	Manual Call Point	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
21	HN-4001	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
22	BR-4001	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
23	BB-4001	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
24	BY-4001	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
25	HN-4002	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
26	BR-4002	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
27	BB-4002	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
28	BY-4002	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
29	MAC-5001	Manual Call Point	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
30	MAC-5002	Manual Call Point	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
31	HN-5001	Horn	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
32	BR-5001	Beacon - Red	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
33	BB-5001	Beacon - Blue	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
34	BY-5001	Beacon - Yellow	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
35	MAC-6001	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
36	MAC-6002	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
37	HN-6001	Horn	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		
38	BR-6001	Beacon - Red	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		

 NISOC		شگه‌داشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  													
		IO LIST FOR F&G SYSTEMS																							
نوع و پیمان:		پروژه	پشته کاری	صاحبکار	سهولت	رشته	نوع مترک	سپار	نسبه																
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D04																
شماره صفحه: 6 از 14																									
SIGNALS TO F&G SYSTEM																									
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRE/CON V)	REMARK	REV.
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L			
39	BB-6001	Beacon - Blue	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
40	BY-6001	Beacon - Yellow	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
41	MAC-7001	Manual Call Point	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
42	MAC-7002	Manual Call Point	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
43	HN-7002	Horn	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
44	BR-7002	Beacon - Red	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
45	BB-7002	Beacon - Blue	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
46	BY-7002	Beacon - Yellow	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
47	MAC-8001	Manual Call Point	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
48	MAC-8002	Manual Call Point	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
49	HN-8001	Horn	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
50	BR-8001	Beacon - Red	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
51	BB-8001	Beacon - Blue	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
52	BY-8001	Beacon - Yellow	Area 8 - Diesel Generator Area / Air Compressor / Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
53	MAC-9001	Manual Call Point	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
54	MAC-9002	Manual Call Point	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
55	HN-9001	Horn	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
56	BR-9001	Beacon - Red	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
57	BB-9001	Beacon - Blue	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
58	BY-9001	Beacon - Yellow	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04
59	FGD-1001	Flammable Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
60	TGD-1001	Toxic Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
61	FD-2001	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
62	FD-2002	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
63	FD-2003	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	
64	FGD-2001	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
65	FGD-2002	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
66	FGD-2003	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
67	FGD-2004	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
68	TGD-2001	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
69	TGD-2002	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
70	TGD-2003	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
71	TGD-2004	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	
72	FD-3001	Flame Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	



احداث رديف تراكم گاز در ايستگاه جمع آوري بينك



• پیمانہ:

شماره صفحه: 7 از 14

ITEM	TAG	DESCRIPTION	LOCATION	PAID	SIGNAL TYPE AREA CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM					I/O TYPE (ADDR./CON V.)	REMARK	REV.
												CABINET NO.	RACK	SLOT	CH	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			
75	FD-4001A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
76	FD-4002A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
77	FD-4003A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
78	FD-4004A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
79	FGD-4001A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
80	FGD-4002A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
81	FGD-4003A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
82	FGD-4004A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
83	TGD-4001A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
84	TGD-4002A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
85	TGD-4003A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
86	TGD-4004A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
87	FD-4001B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
88	FD-4002B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
89	FD-4003B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
90	FD-4004B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional			
91	FGD-4001B	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
92	FGD-4002B	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional			
93	FGD-4003B	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 1																						

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																						
I/O LIST FOR F&G SYSTEMS																										
نسخه: D04				سپار: 0004		نوع متریک: LI		رشته: IN		شبهات: 120		صادر کننده: PEDCO		پیشه کاری: GCS		پروژه: BK		شماره و پنل: 053 - 073 - 9184								
SIGNALS TO F&G SYSTEM																										
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRE/CON V)	REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L				LL
114	TGD-5001A	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
115	TGD-5001B	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
116	TGD-5001C	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
117	FD-6001	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
118	FD-6002	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
119	FGD-6001	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
120	FGD-6002	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
121	FGD-6003	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
122	TGD-6001	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
123	TGD-6002	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
124	TGD-6003	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
125	LHD-7001	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexid Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
126	LHD-7002	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexid Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
129	FGD-7001	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
130	FGD-7002	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
131	FGD-7003	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
132	TGD-7001	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
133	TGD-7002	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
134	TGD-7003	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
135	FD-8001	Flame Detector	Area 8 - Diesel Generator Area / Air Compressor /Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (11 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
136	FD-8002	Flame Detector	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (12 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
137	PT-2901	Pressure Transmitter	Fire Water Pressure	BK-GCS-PEDCO-120-SA-PI-0001 (2 of 2)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	±	±	±	±	±	±	±	±					Conventional	Deleted	D04
138	HN-1011	Horn	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (2 of 12)	Eexid Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	6 Core x 1.5	±	±	±	±	±	±	±	±					Conventional	Deleted	D04
139	BR-1011	Beacon - Red	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (2 of 12)	Eexid Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	±	±	±	±	±	±	±	±					Conventional	Deleted	D04
140	BB-1011	Beacon - Blue	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (2 of 12)	Eexid Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	±	±	±	±	±	±	±	±					Conventional	Deleted	D04
141	BY-1011	Beacon - Yellow	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (2 of 12)	Eexid Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	±	±	±	±	±	±	±	±					Conventional	Deleted	D04
FOR BUILDING																										
1	FGD-1101	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
2	FGD-1102	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
3	FGD-1103	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
4	TGD-1101	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
5	TGD-1102	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
6	TGD-1103	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
7	FGD-1201	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
8	FGD-1202	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
9	FGD-1203	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
10	TGD-1201	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
11	TGD-1202	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04
12	TGD-1203	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D04

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																									
				IO LIST FOR F&G SYSTEMS																									
شماره پیمان:				پروژه	بسته کاری	صاف کننده	تجهیزات	رشته	نوع متریک	سبیل	نسخه																		
053 - 073 - 9184				BK	GCS	PEDCO	120	IN	LI	0004	D04																		
شماره صفحه: 9 از 14																													
SIGNALS TO F&G SYSTEM																													
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE/ Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM					I/O TYPE (ADDRESS/CON V.)	REMARK	REV.			
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL						
13	HGD-1101	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	*	*	*	*	*	*	*	*	*	v	v		Conventional		D04			
14	HGD-1102	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	*	*	*	*	*	*	*	*	*	v	v		Conventional		D04			
16	HD-1101	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexid 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
17	HD-1102	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexid 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
18	MAC-1101	Manual Call Point	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexid 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
SIGNALS BETWEEN F&G AND ESD SYSTEM & OTHER SYSTEMS																													
1	ESD0-FG-1101	ESD 0 Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
2	ESD1A-FG-1101	ESD 1A Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
3	ESD2A-FD-1101	ESD 1A Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
4	FAN-FG-1101	Battery Room Duty Fan Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	ADDED	D04			
5	FAN-FG-1102	Battery Room Standby Fan Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
6	INB-FG-1101	Inhibit to Boost for UPS Charger	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
7	EXT-FG-1101	Extinguishing System Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	ADDED	D04			
8	TOT-FG-1101	Total Flooding System Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	ADDED	D04			
9	Ex-FG-G-1101	F&G System confirmed Gas Alarm to Existing F&G	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
10	Ex-FG-F-1101	F&G System confirmed Fire Alarm to Existing F&G	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	to be finalized based on existing f&g system	D04			
11	Ex-FG-G-1102	Existing F&G confirmed Gas Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
12	Ex-FG-F-1102	Existing F&G confirmed Fire Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
13	DAMP-FG-1101	Battery Room Standby Damper closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Duty Damper	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
14	DAMP-FG-1102	Battery Room Duty Damper closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Stand by Damper	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
15	LSLL-2301	Low Low Level Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/1)	Eexid 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
16	LSLL-2302	Low Low Level Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/1)	Eexid 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
17	HSS-2301A	Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
18	XR-2301A	Pump Running/ Stopped Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
19	XF-2301A	Pump Fault Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
20	PAL-2301A	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2301A	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	ADDED	D04			
21	XM-2301A	Pump Auto/Manual Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional	ADDED	D04			
22	HSS-2301B	Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DO-NIS-R	FGS	P-2301B	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
23	XM-2301B	PumpAuto/ Manual Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
24	XR-2301B	Pump Running/ Stopped Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
25	XF-2301B	Pump Fault Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
26	PAL-2301B	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
27	HSS-2302A	Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302A	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
28	XM-2302A	PumpAuto/ Manual Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
29	XR-2302A	Pump Running/ Stopped Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
30	XF-2302A	Pump Fault Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
31	PAL-2302A	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			
32	HSS-2302B	Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexid 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302B	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D04			

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																					
شماره پیمان:				I/O LIST FOR F&G SYSTEMS																					
				پروژه	پشته کاری	صاف کننده	شبهات	رشته	نوع مترک	سپار	نسبه														
053 - 073 - 9184				BK	GCS	PEDCO	120	IN	LI		0004	D04													
شماره صفحه: 10 از 14																									
SIGNALS TO F&G SYSTEM																									
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L			LL
33	XM-2302B	PumpAuto/ Manual Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
34	XR-2302B	Pump Running/ Stopped Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
35	XF-2302B	Pump Fault Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
36	PAL-2302B	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
37	XA-CO2-1101	MANUAL/AUTO SELECTOR SWITCH STATUS (FOR RELEASED STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
38	XRE-CO2-1101	INHIBIT STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
39	XI-CO2-1101	GENERAL FAULT	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
40	XF-CO2-1101	AUTOMAT RELEASE COMMAND (FOR	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DO-NIS-R	FGS	CO2 Control		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
41	HS-CO2-1101	Valve Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2302	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
42	PSH-2302	Valve Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2302		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
43	DSOV-2302	Valve Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2303	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
44	PSH-2303	Valve Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2303		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
45	DSOV-2303	Valve Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2303	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
46	PSH-2304	Valve Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	DV-2304	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
47	DSOV-2304	Valve Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2304	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
48	PSH-2301	Valve Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	DV-2305	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
49	DSOV-2301	Valve Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	FGS	DV-2305		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
SIGNALS TO F&G Matrix PANEL																									
1	LP-AR1-FD	Fire Alarm For Area 1	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
2	LP-AR1-FGD	Felemmable Gas Alarm For Area 1	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
3	LP-AR1-TGD	Toxic Gas Alarm For Area 1	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
4	LP-AR2-FD	Fire Alarm For Area 2	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
5	LP-AR2-FGD	Felemmable Gas Alarm For Area 2	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
6	LP-AR2-TGD	Toxic Gas Alarm For Area 2	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
7	LP-AR3-FD	Fire Alarm For Area 3	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
8	LP-AR4A-FD	Fire Alarm For Area 4A	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
9	LP-AR4A-FGD	Felemmable Gas Alarm For Area 4 A	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
10	LP-AR4A-TGD	Toxic Gas Alarm For Area 4A	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
11	LP-AR4B-FD	Fire Alarm For Area 4B	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
12	LP-AR4B-FGD	Felemmable Gas Alarm For Area 4 B	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04
13	LP-AR4B-TGD	Toxic Gas Alarm For Area 4B	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D04

 NISOC			نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																			
I/O LIST FOR F&G SYSTEMS																						
شماره پیمان:			پروژه	پیشه کاری	صنایع نفت	شماره	نوع مترک	سپار	نسخه													
053 - 073 - 9184			BK	GCS	PEDCO	120	IN	LI	0004	D04												

SIGNALS TO F&G SYSTEM																										
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE/ Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRE/CON V.)	REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L				LL
14	LP-AR4C-FD	Fire Alarm For Area 4C	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	low frequency pulse for prealarm and high frequency pulse for alarm	D04
15	LP-AR4C-FGD	Felemmable Gas Alarm For Area 4C	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
16	LP-AR4C-TGD	Toxic Gas Alarm For Area 4C	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
17	LP-AR5-FD	Fire Alarm For Area 5	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
18	LP-AR5-FGD	Felemmable Gas Alarm For Area 5	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
19	LP-AR5-TGD	Toxic Gas Alarm For Area 5	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
20	LP-AR6-FD	Fire Alarm For Area 6	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
21	LP-AR6-FGD	Felemmable Gas Alarm For Area 6	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
22	LP-AR6-TGD	Toxic Gas Alarm For Area 6	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
23	LP-AR7-FD	Fire Alarm For Area 7	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
24	LP-AR7-FGD	Felemmable Gas Alarm For Area 7	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
25	LP-AR7-TGD	Toxic Gas Alarm For Area 7	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
26	LP-AR8-FD	Fire Alarm For Area 8	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
27	LP-AR9-FD	Fire Alarm For Area 9	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
28	LP-CB-FD	Fire Alarm For Control Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
29	LP-CB-FGD	Felemmable Gas Alarm For Control Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
30	LP-CB-TGD	Toxic Gas Alarm For Control Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
31	LP-EB-FD	Fire Alarm For Electrical Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
32	LP-EB-FGD	Felemmable Gas Alarm For Electrical Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
33	LP-EB-TGD	Toxic Gas Alarm For Electrical Building	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
34	LP-PSH-2302	Deluge Valve 2302 Opened	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04	
35	LP-PSH-2303	Deluge Valve 2303 Opened	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04	
36	LP-PSH-2304	Deluge Valve 2304 Opened	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D04	

 NISOC			نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  													
شماره پیمان: 053 - 073 - 9184			I/O LIST FOR F&G SYSTEMS										شماره و صفحه: 12 از 14													
			پروژه	پشته کاری	صنایع کننده	شماره پلان	رشته	نوع متریک	سپارل	نسخه																
			BK	GCS	PEDCO	120	IN	LI	0004	D04																
SIGNALS TO F&G SYSTEM																										
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE/ Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRESS/CON V.)	REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L				LL
37	D04 LP-PSH-2301	Deluge Valve 2301 Opened	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
38	LP-P-2301B	Diesel Pump Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
39	LP-P-2301A	Electrical Pump Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
40	LP-CO2-RE	CO2 Release Status	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
41	PB-DV-2302	Deluge Valve 2302 Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
42	PB-DV-2303	Deluge Valve 2303 Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
43	PB-DV-2304	Deluge Valve 2304 Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
44	D04 PB-DV-2301	Deluge Valve 2301 Open Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
45	PB-P-2301B	Diesel Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
46	PB-P-2301A	Electrical Pump Start Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
47	PB-CO2-CO	CO2 Release Command	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
48	PB-RST	RESET-PB	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
49	PB-ACK-HO	ACK HORN-PB	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
50	PB-ACK	ACK-PB	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04
51	D04 BUZZER	Audible Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D04

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف ترانکم گاز در ایستگاه جمع آوری بینک								 											
IO LIST FOR F&G SYSTEMS																					
شماره پیمان:		پروژه	سیستم کاری	مصارف کننده	شبهات	رشته	نوع مدارک	میدان	نسخه												
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D04												
SIGNALS TO FACP																					
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE / AREA CLASSIFICATION	I/O TYPE	FROM	TO	POWER SUPPLY	Cable Type	Marshalling Cabinet		ALARM					I/O TYPE (ADDR./CONV.)	REMARK	REV.	
											CABINET NO.	TR NO.	ADD.	HH	H	L	LL				
FOR BUILDING																					
FACP LOOP 1																					
1	FACP	Output Port of Loop 1	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	MAC-1103	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
2	MAC-1103	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1103	MAC-1102	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
3	MAC-1102	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1102	SD-1104	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
4	SD-1104	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1104	SD-1108	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
5	SD-1108	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1108	SD-1110	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
6	SD-1110	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1110	SD-1112	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
7	SD-1112	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1112	SD-1114	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
8	SD-1114	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1114	SD-1115	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
9	SD-1115	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1115	MAC-1104	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
10	MAC-1104	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1104	BL-1101	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
11	BL-1101	Bell	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BL-1101	BR-1103	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
12	BR-1103	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1103	MAC-1105	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
13	MAC-1105	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1105	SD-1118	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
14	SD-1118	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1118	SD-1120	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
15	SD-1120	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1120	HN-1101	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
16	HN-1101	Horn	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	HN-1101	BR-1101	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
17	BR-1101	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1101	BB-1101	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
18	BB-1101	Beacon - Blue	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BB-1101	BY-1101	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
19	BY-1101	Beacon - Yellow	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BY-1101	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
FACP LOOP 2																					
1	FACP	Output Port of Loop 3	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1105	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
2	SD-1105	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1105	SD-1106	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
3	SD-1106	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1106	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
FACP LOOP 3																					
1	FACP	Output Port of Loop 3	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1103	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
2	SD-1103	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1103	SD-1107	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
3	SD-1107	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1107	SD-1109	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
4	SD-1109	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1109	SD-1111	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
5	SD-1111	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1111	SD-1113	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
6	SD-1113	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1113	SD-1116	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
7	SD-1116	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1116	SD-1117	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
8	SD-1117	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1117	SD-1119	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
9	SD-1119	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1119	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
FACP LOOP 4																					
1	FACP	Output Port of Loop 4	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	HN-1201	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
2	HN-1201	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	HN-1201	BR-1201	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
3	BR-1201	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BR-1201	BB-1201	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	
4	BB-1201	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BB-1201	BY-1201	24 VDC	Modbus Data	Note1							ADDRESSABLE		D04	

 NISOC 053 - 073 - 9184		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف ترانم گاز در ایستگاه جمع آوری بینک										 BIRGAN							
		IO LIST FOR FAG SYSTEMS																	
		شماره پیمان:	پروژه	پسته کاری	صاف کننده	شبهات	رشته	نوع مدارک	سویل	نسخه									
		BK	GCS	PEDCO	120	IN	LI	0004	D04										
SIGNALS TO FACP																			
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE / AREA CLASSIFICATION	I/O TYPE	FROM	TO	POWER SUPPLY	Cable Type	Marshalling Cabinet		ALARM				I/O TYPE (ADDRE./CONV.)	REMARK	REV.
											CABINET NO.	Tb NO.	ADD.	HH	H	L			
5	BY-1201	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BY-1201	MAC-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
6	MAC-1201	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1201	SD-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
7	SD-1201	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	SD-1201	SD-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
8	SD-1202	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	SD-1202	MAC-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
9	MAC-1202	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1202	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
FACP LOOP 5																			
1	SD-1203	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	FACP	SD-1204	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
2	SD-1204	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	SD-1204	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
FACP LOOP 6																			
1	FACP	Output Port of Loop 5	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	HN-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
2	HN-1202	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	HN-1202	BR-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
3	BR-1202	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BR-1202	BB-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
4	BB-1202	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BB-1202	BY-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
5	BY-1202	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BY-1202	MAC-1203	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
6	MAC-1203	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	MAC-1203	LHD-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
7	LHD-1201	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1201	LHD-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
8	LHD-1202	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1202	LHD-1203	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
9	LHD-1203	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1203	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
FACP LOOP 7																			
1	FACP	Output Port of Loop 6	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
2	SD-1301	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1301	SD-1302	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
3	SD-1302	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1302	MAC-1302	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
4	MAC-1302	Manual Call Point	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1302	SD-1304	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
5	SD-1304	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1304	SD-1303	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
6	SD-1303	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1303	HD-1303	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
7	HD-1303	Heat Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	HD-1303	#REF!	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
8	MAC-1301	Manual Call Point	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1301	HN-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
9	HN-1301	Horn	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	HN-1301	BR-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
10	BR-1301	Beacon - Red	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BR-1301	BB-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
11	BB-1301	Beacon - Blue	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BB-1301	BY-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
12	BY-1301	Beacon - Yellow	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BY-1301	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE	D04	
Notes:																			
1- Non-IS Detector is on the Loop. Level of Alarm is N.A. for such Loop-powered.																			