

 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	بسته کاری	صادرکننده	تسهيلات	رشته	نوع مدرک	سریال	نسخه
	BK	GCS	PEDCO	120	IN	LI	0004	D06
								شماره صفحه: 1 از 15

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR F&G SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

D06	FEB.2025	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D05	NOV.2024	AFC	P.Hajisadeghi	M.Fakharian	M.Sadeghian	
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 15
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D06	

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	D05	D06	Page	D00	D01	D02	D03	D04	D05	D06
1	X	X	X	X	X	X	X	65							
2	X	X	X	X	X	X	X	66							
3	X	X	X			X		67							
4	X	X	X	X	X	X	X	68							
5	X	X	X	X	X	X	X	69							
6	X	X	X	X	X	X	X	70							
7	X	X	X	X	X	X	X	71							
8	X	X	X	X	X	X	X	72							
9		X	X	X	X	X	X	73							
10		X	X	X	X	X	X	74							
11		X	X	X	X	X	X	75							
12		X	X	X	X	X	X	76							
13		X	X	X	X	X		77							
14		X	X	X	X	X		78							
15			X	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: 053 - 073 - 9184	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 3 از 15
	BK	GCS	PEDCO	120	IN	LI	0004	D06	

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: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D06	شماره صفحه: 4 از 15

F&G I/O SUMMERY COUNT							
ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+25% SPARE)	REMARKS
1	AI-NIS-R	NIS	R	ANALOGUE INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	87	109	NOTES 4,5
2	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	61	77	NOTES 4,5
3	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	119	149	NOTES 4,5

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 تجهيزات و افزایش تولید میدان تنی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																			
IO LIST FOR F&G SYSTEMS																			
شماره پیمان: 053 - 073 - 9184										شماره سند: 5 از 15									
پروژه										بسته کاری									
BK										GCS									
صادر کننده										PEDCO									
تجهيزات										120									
رشته										IN									
نوع مدارک										LI									
سروال										0004									
بسته										D06									

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 (ADDR/CON V.)	REMARK	REV.
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			
FOR PROCESS AREA																										
1	MAC-1001	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
2	MAC-1002	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
3	HN-1001	Horn	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
4	BR-1001	Beacon - Red	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
5	BB-1001	Beacon - Blue	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
6	BY-1001	Beacon - Yellow	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
7	MAC-2001	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
8	MAC-2002	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
9	MAC-2003	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
10	HN-2001	Horn	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
11	BR-2001	Beacon - Red	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
12	BB-2001	Beacon - Blue	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
13	BY-2001	Beacon - Yellow	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
14	MAC-3001	Manual Call Point	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
15	HN-3001	Horn	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
16	BR-3001	Beacon - Red	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
17	BB-3001	Beacon - Blue	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
18	BY-3001	Beacon - Yellow	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					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)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					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)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
21	HN-4001	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
22	BR-4001	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
23	BB-4001	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
24	BY-4001	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
25	HN-4002	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
26	BR-4002	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
27	BB-4002	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
28	BY-4002	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					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)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					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)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
31	HN-5001	Horn	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
32	BR-5001	Beacon - Red	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
33	BB-5001	Beacon - Blue	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
34	BY-5001	Beacon - Yellow	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
35	MAC-6001	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
36	MAC-6002	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
37	HN-6001	Horn	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x1.5	*	*	*	*	*	*	*	*					Conventional		
38	BR-6001	Beacon - Red	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x1.5	*	*	*	*	*	*	*	*					Conventional		

 NISOC				تهیه و طراحی و افزایش تولید میدان نفتی پینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری پینک										 														
				IO LIST FOR F&G SYSTEMS																								
شماره پیمان:				پروژه	منه کاری		صادر کننده		تجهیزات		رشته		نوع مدارک		سرال		نسخه		شماره صفحه: 6 از 15									
053 - 073 - 9184				BK	GCS		PEDCO		120		IN				0004		D06											
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 (ADDR/CON V.)	REMARK	REV.		
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL					
39	BB-6001	Beacon - Blue	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
43	HN-7001	Horn	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
44	BR-7001	Beacon - Red	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
45	BB-7001	Beacon - Blue	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
46	BY-7001	Beacon - Yellow	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
47	MAC-8001	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
48	MAC-8002	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
49	MAC-8003	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
50	HN-8001	Horn	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
51	BR-8001	Beacon - Red	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
52	BB-8001	Beacon - Blue	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
53	BY-8001	Beacon - Yellow	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor /Air Dryer Packages	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
54	MAC-9001	Manual Call Point	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
55	HN-9001	Horn	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
56	BR-9001	Beacon - Red	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
57	BB-9001	Beacon - Blue	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
58	BY-9001	Beacon - Yellow	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional				
59	FGD-1001	Flammable Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
60	TGD-1001	Toxic Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
61	FD-2001	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D06		
62	FD-2002	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D06		
63	FD-2003	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D06		
64	FGD-2001	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
65	FGD-2002	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
66	FGD-2003	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
67	FGD-2004	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
68	TGD-2001	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
69	TGD-2002	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
70	TGD-2003	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
71	TGD-2004	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		
72	FD-3001	Flame Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eexd Zone2, IIB T4	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional		D06		



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: 7 از 15

شماره پیمان																	پروژه	بنده کاری	مادرکنده	سهولیات	رشته	نوع مادرکده	میرال	ساخته	تاریخ	
053 - 073 - 9184																	BK	GCS	PEDCO	120	IN	LI	0004	D06	15 آذر 1397	
SIGNALS TO F&G SYSTEM																										
ITEM	TAG	DESCRIPTION	LOCATION	PIDID	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
73	FD-4001A	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
74	FD-4002A	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
75	FD-4003A	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
76	FD-4004A	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
77	FGD-4001A	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
78	FGD-4002A	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
79	FGD-4003A	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
80	FGD-4004A	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
81	TGD-4001A	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
82	TGD-4002A	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
83	TGD-4003A	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
84	TGD-4004A	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
85	FD-4001B	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
86	FD-4002B	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
87	FD-4003B	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
88	FD-4004B	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
89	FGD-4001B	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
90	FGD-4002B	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
91	FGD-4003B	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
92	FGD-4004B	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
93	TGD-4001B	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
94	TGD-4002B	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
95	TGD-4003B	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
96	TGD-4004B	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
97	FD-4001C	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
98	FD-4002C	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
99	FD-4003C	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
100	FD-4004C	Flame Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*			Conventional		D06			
101	FGD-4001C	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
102	FGD-4002C	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
103	FGD-4003C	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
104	FGD-4004C	Flammable Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
105	TGD-4001C	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
106	TGD-4002C	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
107	TGD-4003C	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
108	TGD-4004C	Toxic Gas Detector	Area 4 - 1st. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
109	FGD-5001A	Flammable Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
110	FGD-5001B	Flammable Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			
111	FGD-5001C	Flammable Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eand Zone2, IIB T4 DDC	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	v	v	Conventional		D06			

 NISOC				نگهداشت و افزایش تولید میدان تنگی سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری پینک										 																																																																																																					
شماره پیمان:				IO LIST FOR F&G SYSTEMS														شماره: 8 از 15																																																																																																	
				سرال	نسخه	نوع مدرک	رشته	نهاییات	صادرکننده	منه کاری	پروژه																																																																																																								
053 - 073 - 9184				BK														GCS														PEDCO														120														IN														LI														0004														D06													
SIGNALS TO F&G SYSTEM																																																																																																																			
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE Area CLASSIFICATION	IO TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM					IO TYPE (ADDRE/CON V.)	REMARK	REV.																																																																																									
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL																																																																																												
112	TGD-5001A	Toxic Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
113	TGD-5001B	Toxic Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
114	TGD-5001C	Toxic Gas Detector	Area 5 - 1st. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
115	FD-6001	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
116	FD-6002	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
117	FGD-6001	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
118	FGD-6002	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
119	FGD-6003	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
120	TGD-6001	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
121	TGD-6002	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
122	TGD-6003	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exd1 Zone1, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
123	LHD-7001	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
124	LHD-7002	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
125	FGD-7001	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
126	FGD-7002	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
127	FGD-7003	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
128	TGD-7001	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
129	TGD-7002	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
130	TGD-7003	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
131	FD-8001	Flame Detector	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air	BK-GCS-PEDCO-120-IN-PY-0005 (11 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
132	FD-8002	Flame Detector	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (12 OF 12)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
133	PT-2301	Pressure Transmitter	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd1a Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	2Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
134	LSLL-2301	Low Low Level Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(1/8)	Exd1a Zone2, IIB T4 D06	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D05																																																																											
135	LSLL-2302	Low Low Level Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(1/8)	Exd1a Zone2, IIB T4 D06	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D05																																																																											
FOR BUILDING																																																																																																																			
1	FGD-1101	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
2	FGD-1102	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
3	FGD-1103	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
4	TGD-1101	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
5	TGD-1102	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
6	TGD-1103	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
7	FGD-1201	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
8	FGD-1202	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
9	FGD-1203	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
10	TGD-1201	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
11	TGD-1202	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
12	TGD-1203	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Exd1 Zone2, IIB T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
13	HGD-1101	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone1, IIC T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											
14	HGD-1102	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd1 Zone1, IIC T4 D06	AI-NIS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06																																																																											

 NISOC			تجهيزات و افزایش تولید میدان تنگی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  													
IO LIST FOR F&G SYSTEMS																										
شماره پیمان:		پروژه	بسته کاری	صادر کننده	تجهيزات	رشته	نوع مدرک	سروال	نسخه																	
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D06																	
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 (ADDR./CON V.)	REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L				LL
15	HD-1101	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		
16	HD-1102	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		
17	MAC-1101	Manual Call Point	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Exd Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		
SIGNALS BETWEEN F&G AND ESD SYSTEM & OTHER SYSTEMS																										
1	ESDR0-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	12 PAIRx 1	*	*	*	*	*	*	*	*	*				Conventional		
2	ESDR1A-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		*	*	*	*	*	*	*	*	*				Conventional		
3	ESDR1A-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		*	*	*	*	*	*	*	*	*				Conventional		
4	HVAC-FG-G-1101	Control building HVAC shut down & damper closed for gas detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	HVAC	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*	*				Conventional		
5	HVAC-FG-F-1101	Control building HVAC shut down & damper closed for fire detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	HVAC	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
6	DAMP-FG-1101	Battery Room Damper1 closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
7	DAMP-FG-1102	Battery Room Damper 2 closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*	*				Conventional		
8	DAMP-FG-G-1101	Electrical building air intake damper closed for gas detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
9	FAN-FG-1101	Battery Room stand by Fan Activation Command	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
10	INB-FG-1101	Inhibit to Boost for UPS Charger 1	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC	19 PAIRx 1	*	*	*	*	*	*	*	*	*				Conventional		
11	INB-FG-1102	Inhibit to Boost for UPS Charger 2	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
12	INB-FG-1103	Inhibit to Boost for UPS Charger 3	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
13	PISO-FG-1101	Power Isolation of Battery Bank 1	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
14	PISO-FG-1102	Power Isolation of Battery Bank 2	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
15	PISO-FG-1103	Power Isolation of Battery Bank 3	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		
16	Ex-FG-G-1101	F&G System confirmed Gas Alarm to Existing	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*				Conventional	to be finalized based on existing f&g system	
17	Ex-FG-F-1101	F&G System confirmed Fire Alarm to Existing	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-		*	*	*	*	*	*	*	*	*				Conventional		
18	Ex-FG-G-1102	Existing F&G System confirmed Gas Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		
19	Ex-FG-F-1102	Existing F&G System confirmed Fire Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*				Conventional		
20	HSS-2301A	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		D06
21	XR-2301A	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	IRP	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
22	XF-2301A	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	IRP	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
23	PAL-2301	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		D06
24	XM-2301A	Pump Auto/Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	IRP	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
25	HSS-2301B	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DO-NIS-R	FGS	P-2301B	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*	*				Conventional		D06
26	XM-2301B	PumpAuto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
27	XR-2301B	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
28	XF-2301B	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
29	PAL-2301B	Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06
30	HSS-2302A	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DO-NIS-R	FGS	P-2302A	-	24 VDC		*	*	*	*	*	*	*	*	*				Conventional		D06
31	XM-2302A	PumpAuto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Exd Zone2, IIB T4	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*				Conventional		D06

 NISOC				گهشدات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																							
شماره پیمان:				IO LIST FOR F&G SYSTEMS														شماره سند: 10 از 15									
				پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سروال	شماره																
053 - 073 - 9184				BK	GCS	PEDCO	120	IN	LI		0004	D06															
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 (ADDR/CON V.)	REMARK	REV.	
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL				
32	XR-2302A	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302A	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
33	XF-2302A	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
34	PALL-2302A	Low Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
35	HSS-2302B	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DO-NIS-R	FGS	P-2302B	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
36	XM-2302B	PumpAuto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
37	XR-2302B	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302B	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
38	XF-2302B	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
39	PALL-2302B	Low Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
40	XA-CO2-1101	MANUAL/AUTO SELECTOR SWITCH	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
41	XRE-CO2-1101	RELEASED STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
42	XI-CO2-1101	INHIBIT STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
43	XF-CO2-1101	GENERAL FAULT	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
44	HS-CO2-1101	AUTOMAT RELEASE COMMAND (FOR	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DO-NIS-R	CO2 Control	FGS	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
45	PSH-2302	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	DV-2302	FGS	-	-	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
46	DSOV-2302	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DO-NIS-R	FGS	DV-2302	-	24 VDC		1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
47	PSH-2303	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	DV-2303	FGS	-	-	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
48	DSOV-2303	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DO-NIS-R	FGS	DV-2303	-	24 VDC		1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
49	PSH-2304	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	DV-2304	FGS	-	-	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
50	DSOV-2304	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DO-NIS-R	FGS	DV-2304	-	24 VDC		1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
51	PSH-2301	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DI-NIS-R	DV-2305	FGS	-	-	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
52	DSOV-2301	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd Zone2, IIB T4 D06	DO-NIS-R	FGS	DV-2305	-	24 VDC		1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*	*	Conventional		D06	
SIGNALS TO F&G Matrix PANEL																											
1	LP-AR1-FD	Fire Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*	*	*	*	*	Conventional			
2	LP-AR1-FGD	Flammable Gas Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
3	LP-AR1-TGD	Toxic Gas Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
4	LP-AR2-FD	Fire Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
5	LP-AR2-FGD	Flammable Gas Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
6	LP-AR2-TGD	Toxic Gas Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
7	LP-AR3-FD	Fire Alarm For Area 3 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
8	LP-AR4A-FD	Fire Alarm For Area 4A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
9	LP-AR4A-FGD	Flammable Gas Alarm For Area 4 A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		
10	LP-AR4A-TGD	Toxic Gas Alarm For Area 4A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*	*	*	*	Conventional		

 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	صادر کننده	تجهیزات	رشته	نوع مدارک	سروال	بسته	شماره صفحه: 11 از 15																
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D06																	
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
11	LP-AR4B-FD	Fire Alarm For Area 4B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional	low frequency pulse for prealarm and high frequency pulse for alarm	
12	LP-AR4B-FGD	FlammableGas Alarm For Area 4 B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
13	LP-AR4B-TGD	Toxic Gas Alarm For Area 4B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
14	LP-AR4C-FD	Fire Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
15	LP-AR4C-FGD	FlammableGas Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
16	LP-AR4C-TGD	Toxic Gas Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
17	LP-AR5-FD	Fire Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
18	LP-AR5-FGD	FlammableGas Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
19	LP-AR5-TGD	Toxic Gas Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
20	LP-AR6-FD	Fire Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
21	LP-AR6-FGD	FlammableGas Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
22	LP-AR6-TGD	Toxic Gas Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
23	LP-AR7-FD	Fire Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
24	LP-AR7-FGD	FlammableGas Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
25	LP-AR7-TGD	Toxic Gas Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
26	LP-AR8-FD	Fire Alarm For Area 8 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
27	LP-AR9-FD	Fire Alarm For Area 9 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
28	LP-CB-FD	Fire Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
29	LP-CB-FGD	FlammableGas Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
30	LP-CB-TGD	Toxic Gas Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
31	LP-EB-FD	Fire Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
32	LP-EB-FGD	FlammableGas Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
33	LP-EB-TGD	Toxic Gas Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		

 NISOC			تجهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																							
شماره پیمان:			IO LIST FOR F&G SYSTEMS								شماره صفحه: 12 از 15															
			پروژه	بسته کاری	صادر کننده	تجهيزات	رشته	نوع مدارک	سروال	نسخه																
053 - 073 - 9184			BK	GCS	PEDCO	120	IN	LI	0004	D06																
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			
34	LP-PSH-2302	Deluge Valve 2302 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional		
35	LP-PSH-2303	Deluge Valve 2303 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
36	LP-PSH-2304	Deluge Valve 2304 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
37	LP-PSH-2301	Deluge Valve 2301 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
38	LP-P-2301B	Diesel Pump Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
39	LP-P-2301A	Electrical Pump Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
40	LP-CO2-RE	CO2 Release Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
41	PB-DV-2302	Deluge Valve 2302 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
42	PB-DV-2303	Deluge Valve 2303 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
43	PB-DV-2304	Deluge Valve 2304 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
44	PB-DV-2301	Deluge Valve 2301 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
45	PB-P-2301B	Diesel Pump Start Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
46	PB-P-2301A	Electrical Pump Start Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
47	PB-CO2-CO	CO2 Release Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		
48	PB-RST	RESET Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-	*	*	*	*	*	*	*	*					Conventional			
49	PB-ACK-HO	ACK HORN Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-	*	*	*	*	*	*	*	*					Conventional			
50	PB-ACK	ACK Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-	*	*	*	*	*	*	*	*					Conventional			
51	PB-INHIBIT	Inhibit to maintenance Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional		
52	LP-INHIBIT	Inhibit to maintenance Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		
53	BUZZER	Audible Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		

 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	صادر کننده	تهیه کننده	رشته	نوع مدارک	سریال	نسخه	شماره صفحه: 13 از 15									
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D06												
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.	TB 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 (2/7)	Note 1	Note1	FACP	MAC-1103	24 VDC	Modbus Data		Note1					ADDRESSABLE			
2	MAC-1102	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1102	SD-1104	24 VDC	Modbus Data		Note1					ADDRESSABLE			
3	SD-1104	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1104	SD-1108	24 VDC	Modbus Data		Note1					ADDRESSABLE			
4	SD-1103	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1103	SD-1110	24 VDC	Modbus Data		Note1					ADDRESSABLE			
5	MAC-1103	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1103	MAC-1102	24 VDC	Modbus Data		Note1					ADDRESSABLE			
6	SD-1102	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1102	SD-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
7	SD-1101	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1101	MAC-1102	24 VDC	Modbus Data		Note1					ADDRESSABLE			
8	SD-1121	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1121	SD-1122	24 VDC	Modbus Data		Note1					ADDRESSABLE			
9	SD-1122	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1122	SD-1123	24 VDC	Modbus Data		Note1					ADDRESSABLE			
10	SD-1123	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1123	SD-1124	24 VDC	Modbus Data		Note1					ADDRESSABLE			
11	SD-1124	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1124	SD-1112	24 VDC	Modbus Data		Note1					ADDRESSABLE			
12	SD-1135	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1135	SD-1136	24 VDC	Modbus Data		Note1					ADDRESSABLE			
13	SD-1136	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1136	SD-1115	24 VDC	Modbus Data		Note1					ADDRESSABLE			
14	SD-1128	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1128	MAC-1104	24 VDC	Modbus Data		Note1					ADDRESSABLE			
15	SD-1126	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1126	BL-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
16	SD-1108	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1108	SD-1110	24 VDC	Modbus Data		Note1					ADDRESSABLE			
17	SD-1110	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1110	SD-1112	24 VDC	Modbus Data		Note1					ADDRESSABLE			
18	SD-1112	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1112	SD-1114	24 VDC	Modbus Data		Note1					ADDRESSABLE			
19	SD-1114	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1114	SD-1115	24 VDC	Modbus Data		Note1					ADDRESSABLE			
20	SD-1115	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1115	MAC-1104	24 VDC	Modbus Data		Note1					ADDRESSABLE			
21	MAC-1104	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1104	BL-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
22	BL-1101	Bell	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BL-1101	BR-1103	24 VDC	Modbus Data		Note1					ADDRESSABLE			
23	BR-1103	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BR-1103	MAC-1105	24 VDC	Modbus Data		Note1					ADDRESSABLE			
24	MAC-1105	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1105	SD-1118	24 VDC	Modbus Data		Note1					ADDRESSABLE			
25	SD-1118	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1118	SD-1120	24 VDC	Modbus Data		Note1					ADDRESSABLE			
26	SD-1120	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1120	HN-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
27	HN-1101	Horn	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	HN-1101	BR-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
28	BR-1101	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BR-1101	BB-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
29	BB-1101	Beacon - Blue	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BB-1101	BY-1101	24 VDC	Modbus Data		Note1					ADDRESSABLE			
30	BY-1101	Beacon - Yellow	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE			
FACP LOOP 2																				
1	FACP	Output Port of Loop 2	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1105	24 VDC	Modbus Data		Note1					ADDRESSABLE			
2	SD-1105	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1105	SD-1127	24 VDC	Modbus Data		Note1					ADDRESSABLE			
3	SD-1106	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1106	SD-1130	24 VDC	Modbus Data		Note1					ADDRESSABLE			
4	SD-1130	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1130	SD-1131	24 VDC	Modbus Data		Note1					ADDRESSABLE			
5	SD-1131	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1131	SD-1132	24 VDC	Modbus Data		Note1					ADDRESSABLE			
6	SD-1132	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1132	SD-1129	24 VDC	Modbus Data		Note1					ADDRESSABLE			
7	SD-1129	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1129	SD-1134	24 VDC	Modbus Data		Note1					ADDRESSABLE			

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف توکام گاز در ایستگاه جمع آوری بینک														
		IO LIST FOR P&G SYSTEMS														
شماره پیمان:	پروژه	بسته کاری	مادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه								
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D06							

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.	TB NO.	ADD.	HH	H	L			
8	SD-1134	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1134	SD-1133	24 VDC	Modbus Data		Note1					ADDRESSABLE		
9	SD-1133	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1133	SD-1128	24 VDC	Modbus Data		Note1					ADDRESSABLE		
10	SD-1128	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1128	SD-1127	24 VDC	Modbus Data		Note1					ADDRESSABLE		
11	SD-1127	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1127	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE		
FACP LOOP 3																			
1	FACP	Output Port of Loop 3	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1107	24 VDC	Modbus Data		Note1					ADDRESSABLE		
2	SD-1107	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1107	SD-1109	24 VDC	Modbus Data		Note1					ADDRESSABLE		
3	SD-1109	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1109	SD-1111	24 VDC	Modbus Data		Note1					ADDRESSABLE		
4	SD-1111	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1111	SD-1113	24 VDC	Modbus Data		Note1					ADDRESSABLE		
5	SD-1113	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1113	SD-1116	24 VDC	Modbus Data		Note1					ADDRESSABLE		
6	SD-1116	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1116	SD-1117	24 VDC	Modbus Data		Note1					ADDRESSABLE		
7	SD-1117	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1117	SD-1119	24 VDC	Modbus Data		Note1					ADDRESSABLE		
8	SD-1119	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1119	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE		
FACP LOOP 4																			
1	FACP	Output Port of Loop 4	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	HN-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
2	HN-1201	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	HN-1201	BR-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
3	BR-1201	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BR-1201	BB-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
4	BB-1201	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BB-1201	BY-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
5	BY-1201	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BY-1201	MAC-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
6	MAC-1201	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	MAC-1201	SD-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
7	SD-1201	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1201	SD-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
8	SD-1202	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1202	MAC-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
9	MAC-1202	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	MAC-1202	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE		
FACP LOOP 5																			
1	FACP	Output Port of Loop 5	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1203	24 VDC	Modbus Data		Note1					ADDRESSABLE		
2	SD-1203	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1203	SD-1204	24 VDC	Modbus Data		Note1					ADDRESSABLE		
3	SD-1204	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1204	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE		
FACP LOOP 6																			
1	FACP	Output Port of Loop 6	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	HN-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
2	HN-1202	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	HN-1202	BR-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
3	BR-1202	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BR-1202	BB-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
4	BB-1202	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BB-1202	BY-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
5	BY-1202	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BY-1202	MAC-1203	24 VDC	Modbus Data		Note1					ADDRESSABLE		
6	MAC-1203	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	MAC-1203	LHD-1201	24 VDC	Modbus Data		Note1					ADDRESSABLE		
7	LHD-1201	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1201	LHD-1202	24 VDC	Modbus Data		Note1					ADDRESSABLE		
8	LHD-1202	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1202	LHD-1203	24 VDC	Modbus Data		Note1					ADDRESSABLE		
9	LHD-1203	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1203	FACP	24 VDC	Modbus Data		Note1					ADDRESSABLE		
FACP LOOP 7																			
1	FACP	Output Port of Loop 7	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1301	24 VDC	Modbus Data		Note1					ADDRESSABLE		
2	SD-1301	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	SD-1301	SD-1302	24 VDC	Modbus Data		Note1					ADDRESSABLE		



053 - 073-9184

تکثیر داشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: 15 از 15

SIGNALS TO FACP

ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE AND CLASSIFICATION	I/O TYPE	FROM	TO	POWER SUPPLY	Cable Type	Marshalling Cabinet			ALARM				I/O TYPE (ADDR./CONV.)	REMARK	REV.
											CABINET NO.	TH NO.	ADO.	HH	H	L	LL			
3	SD-1302	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	SD-1302	MAC-1302	24 VDC	Modbus Data			Note1					ADDRESSABLE		
4	MAC-1302	Manual Call Point	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	MAC-1302	SD-1304	24 VDC	Modbus Data			Note1					ADDRESSABLE		
5	SD-1304	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	SD-1304	SD-1303	24 VDC	Modbus Data			Note1					ADDRESSABLE		
6	SD-1303	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	SD-1303	HD-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
7	HD-1301	Heat Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	HD-1301	MAC-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
8	MAC-1301	Manual Call Point	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	MAC-1301	HN-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
9	HN-1301	Horn	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	HN-1301	BR-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
10	BR-1301	Beacon - Red	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	BR-1301	BB-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
11	BB-1301	Beacon - Blue	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	BB-1301	BY-1301	24 VDC	Modbus Data			Note1					ADDRESSABLE		
12	BY-1301	Beacon - Yellow	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	BY-1301	FACP	24 VDC	Modbus Data			Note1					ADDRESSABLE		
FACP LOOP 8																				
1	FACP	Output Port of Loop 8	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
2	SD-1401	Smoke Detector	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	SD-1401	SD-1402	24 VDC	Modbus Data			Note1					ADDRESSABLE		
3	SD-1402	Smoke Detector	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	SD-1402	SD-1403	24 VDC	Modbus Data			Note1					ADDRESSABLE		
4	SD-1403	Smoke Detector	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	SD-1403	MAC-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
5	MAC-1401	Manual Call Point	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	MAC-1401	HN-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
6	HN-1401	Horn	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	HN-1401	BR-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
7	BR-1401	Beacon - Red	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	BR-1401	BB-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
8	BB-1401	Beacon - Blue	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	BB-1401	BY-1401	24 VDC	Modbus Data			Note1					ADDRESSABLE		
9	BY-1401	Beacon - Yellow	GCS Warehouse	BK-GCS-PEDCO-120-IN-PY-0006 (7/7)	Note 1	Note1	BY-1401	FACP	24 VDC	Modbus Data			Note1					ADDRESSABLE		

Notes:

1- Non-IS Detector is on the Loop. Level of Alarm is N.A. for such Loop-powered