

 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: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D03	شماره صفحه: ۱ از ۱۶

طرح نگهداشت و افزایش تولید ۲۷ مخزن

I/O LIST FOR F&G SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

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: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D03	شماره صفحه: ۱۶ از ۲

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D00	D01	D02	D03	D04
1	X	X	X	X		65					
2	X	X	X	X		66					
3	X	X				67					
4	X	X	X	X		68					
5	X	X	X	X		69					
6	X	X	X	X		70					
7	X	X	X	X		71					
8	X	X	X	X		72					
9		X	X	X		73					
10		X	X	X		74					
11		X	X	X		75					
12		X	X	X		76					
13		X	X	X		77					
14		X	X	X		78					
15			X	X		79					
16			X	X		80					
17			X	X		81					
18			X	X		82					
19						83					
20						84					
21						85					
22						86					
23						87					
24						88					
25						89					
26						90					
27						91					
28						92					
29						93					
30						94					
31						95					
32						96					
33						97					
34						98					
35						99					
36						100					
37						101					
38						102					
39						103					
40						104					
41						105					
42						106					
43						107					
44						108					
45						109					
46						110					
47						111					
48						112					
49						113					
50						114					
51						115					
52						116					
53						117					
54						118					
55						119					
56						120					
57						121					
58						122					
59						123					
60						124					
61						125					
62						126					
63						127					
64						128					

 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: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدارک	سریال	نسخه	شماره صفحه: ۱۶ از ۳
	BK	GCS	PEDCO	120	IN	LI	0004	D03	

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

- 1 ALL LISTED FACP'S SIGNALS SHALL BE MONITORED IN F&G SYSTEM BY MODBUS CONNECTION.
- 2 REFER TO LATEST VERSION OF REFERENCE DOCUMENTS.
- 3 ALL RELAYS & I.S. BARRIERS INSTALLED IN F&G PANEL SHALL BE SIL CERTIFIED. ALL RELAYS SHALL BE LINE-MONITORED
- 4 GALVANIC ISOLATION BARRIER SHALL BE CONSIDERED FOR INTRINSICALLY SAFE (EExia) LOOPS.
- 5 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: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۴ از ۱۶
	BK	GCS	PEDCO	120	IN	LI	0004	D03	

F&G I/O SUMMERY COUNT							
D03							
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)	87	104	NOTES 4,5
2	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	60	72	
3	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	121	146	

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																						
IO LIST FOR F&G SYSTEMS																									
شماره پیمان:			پروژه	بسته کاری	سازگار کننده	لهجات	رشته	نوع مدرک	میرال	نسخه	D03														
۰۹۲ - ۰۲۲ - ۹۱۸۱			BK	GCS	PEDCO	120	IN	LI	0004	D03	شماره صفحه: ۵ از ۱۶														
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.	BACK	SLOT	CH.	ADD.	CABINET 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd 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)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*					Conventional		

 NISOC				تجهيزات 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	سازنده	نقطهات	رشته	نوع مدرک	سریال	نسخه															
۰۵۲ - ۰۲۲ - ۹۱۸۶				BK	GCS	PEDCO	120	IN	LI	0004	D03															
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
38	BR-6001	Beacon - Red	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		
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-7002	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-7002	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-7002	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-7002	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 - 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		
48	MAC-8002	Manual Call Point	Area 8 - 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		
49	HN-8001	Horn	Area 8 - 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		
50	BR-8001	Beacon - Red	Area 8 - 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		
51	BB-8001	Beacon - Blue	Area 8 - 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		
52	BY-8001	Beacon - Yellow	Area 8 - 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		
53	MAC-9001	Manual Call Point	Area 9 - Air Compressor /Air Dryer Packages 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		
54	MAC-9002	Manual Call Point	Area 9 - Air Compressor /Air Dryer Packages 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 - Air Compressor /Air Dryer Packages 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 - Air Compressor /Air Dryer Packages 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 - Air Compressor /Air Dryer Packages 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 - Air Compressor /Air Dryer Packages 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)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional		
60	TGD-1001	Toxic Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
61	FD-2001	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia 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)	Eexia 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)	Eexia 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)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional		
65	FGD-2002	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
66	FGD-2003	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional		
67	FGD-2004	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
68	TGD-2001	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional		
69	TGD-2002	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
70	TGD-2003	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional		
71	TGD-2004	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		
72	FD-3001	Flame Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
73	FGD-3001	Flammable Gas Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v		v		Conventional	Deleted	D03
74	TGD-3001	Toxic Gas Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional	Deleted	D03

 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	صادرکننده	نمودار	رشته	نوع مدارک	میرال	لایحه	D03															
۰۵۲ - ۰۷۲ - ۰۱۱۸				BK	GCS	PEDCO	120	IN	LI	0004	D03	شماره صفحه: ۷ از ۱۶															
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				I/O TYPE (ADDR/CON V.)	REMARK	REV.		
												CABINET NO.	BACK	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 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional			
94	FGD-4004B	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			
95	TGD-4001B	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			
96	TGD-4002B	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			
97	TGD-4003B	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			
98	TGD-4004B	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			
99	FD-4001C	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			
100	FD-4002C	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			
101	FD-4003C	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			
102	FD-4004C	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			
103	FGD-4001C	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			
104	FGD-4002C	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			
105	FGD-4003C	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			
106	FGD-4004C	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			
107	TGD-4001C	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			
108	TGD-4002C	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			
109	TGD-4003C	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			
110	TGD-4004C	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			
111	FGD-5001A	Flammable 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	*	*	*	*	*	*	*	*	√	√			Conventional			
112	FGD-5001B	Flammable 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	*	*	*	*	*	*	*	*	√	√			Conventional			

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک														شماره صفحه: ۸ از ۱۶									
				IO LIST FOR F&G SYSTEMS																							
شماره پیمان:				پروژه	بسته کاری	صادر کننده	لیتهای	رشته	نوع مدرک	سریال	لیسنه	 D03															
				BK	GCS	PEDCO	120	IN	LI	0004	D03																
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				
113	FGD-5001C	Flammable Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
114	TGD-5001A	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
117	FD-6001	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia 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)	Exxia 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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
120	FGD-6002	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
121	FGD-6003	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
122	TGD-6001	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
123	TGD-6002	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
124	TGD-6003	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxd 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)	Exxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*							Conventional		
127	LHD-7003	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank &Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0006 (10 OF 12)	Exxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2-Core x 1.5	±	±	±	±	±	±	±							Conventional	Deleted	D03
128	LHD-7004	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank &Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0006 (10 OF 12)	Exxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2-Core x 1.5	±	±	±	±	±	±	±							Conventional	Deleted	D03
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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							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)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
135	FD-8001	Flame Detector	Area 8 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (11 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
136	FD-8002	Flame Detector	Area 9 - Air Compressor /Air Dryer Packages Area	BK-GCS-PEDCO-120-IN-PY-0005 (12 OF 12)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
137	PT-2301	Pressure Transmitter	Fire Water Pressure	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	2Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
138	HN-1011	Horn	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
139	BR-1011	Beacon - Red	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
140	BB-1011	Beacon - Blue	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
141	BY-1011	Beacon - Yellow	Guard House	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Exxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*							Conventional	ADDED	D03
FOR BUILDING																											
1	FGD-1101	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
2	FGD-1102	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
3	FGD-1103	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
4	TGD-1101	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
5	TGD-1102	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
6	TGD-1103	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
7	FGD-1201	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		
8	FGD-1202	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Exxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*							Conventional		

 NISOC				نگهداشت 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: ۱۰ از ۱۶												
				پروژه	بسته کاری	سازنده	نمودار	رشته	نوع مدارک	میرال	نمونه															
۰۵۲ - ۰۲۲ - ۰۱۸۱				BK	GCS	PEDCO	120	IN	LI	0004	D03															
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			
27	HSS-2302A	Pump Start Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302A		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
28	XL-2302A	PumpAuto/ Manual Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
29	XR-2302A	Pump Running/ Stopped Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
30	XF-2302A	Pump Fault Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
31	PAL-2302A	Low Pressure Alarm	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
32	HSS-2302B	Pump Start Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302B		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional			
33	XL-2302B	PumpAuto/ Manual Status	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			
34	XR-2302B	Pump Running/ Stopped Status	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			
35	XF-2302B	Pump Fault Status	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			
36	PAL-2302B	Low Pressure Alarm	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			
37	XA-CO2-1101	MANUAL/AUTO SELECTOR SWITCH STATUS (FOR RELEASED STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
38	XRE-CO2-1101	RELEASED STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
39	XI-CO2-1101	INHIBIT STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
40	XF-CO2-1101	GENERAL FAULT	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
41	HS-CO2-1101	AUTOMAT RELEASE COMMAND (FOR	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DO-NIS-R	CO2 Control Panel	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
42	PSH-2302	Valve Status	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	Added	D03	
43	DSOV-2302	Valve Open Command	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	Added	D03	
44	PSH-2303	Valve Status	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	Added	D03	
45	DSOV-2303	Valve Open Command	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	Added	D03	
46	PSH-2304	Valve Status	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	Added	D03	
47	DSOV-2304	Valve Open Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2304		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
48	PSH-2305	Valve Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2305	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
49	DSOV-2305	Valve Open Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2305		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional	Added	D03	
SIGNALS TO F&G Matrix PANEL																										
1	LP-AR1-FD	Fire Alarm For Area 1	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
2	LP-AR1-FGD	Felemmable Gas Alarm For Area 1	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
3	LP-AR1-TGD	Toxic Gas Alarm For Area 1	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
4	LP-AR2-FD	Fire Alarm For Area 2	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
5	LP-AR2-FGD	Felemmable Gas Alarm For Area 2	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
6	LP-AR2-TGD	Toxic Gas Alarm For Area 2	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
7	LP-AR3-FD	Fire Alarm For Area 3	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	
8	LP-AR4A-FD	Fire Alarm For Area 4A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D03	

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض										  																			
شماره پیمان:		IO LIST FOR F&G SYSTEMS										 شماره صفحه: ۱۱ از ۱۶																			
		پروژه	بسته کاری	ساختار کننده	لهجات	رشته	نوع مدارک	میرال	نسخه																						
		BK	GCS	PEDCO	120	IN	LI	0004	D03																						
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					
9	LP-AR4A-FGD	Felemmable Gas Alarm For Area 4 A	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	D03					
10	LP-AR4A-TGD	Toxic Gas Alarm For Area 4A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
11	LP-AR4B-FD	Fire Alarm For Area 4B	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
12	LP-AR4B-FGD	Felemmable Gas Alarm For Area 4 B	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
13	LP-AR4B-TGD	Toxic Gas Alarm For Area 4B	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
14	LP-AR4C-FD	Fire Alarm For Area 4C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
15	LP-AR4C-FGD	Felemmable Gas Alarm For Area 4C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
16	LP-AR4C-TGD	Toxic Gas Alarm For Area 4C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
17	LP-AR5-FD	Fire Alarm For Area 5	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
18	LP-AR5-FGD	Felemmable Gas Alarm For Area 5	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
19	LP-AR5-TGD	Toxic Gas Alarm For Area 5	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
20	LP-AR6-FD	Fire Alarm For Area 6	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
21	LP-AR6-FGD	Felemmable Gas Alarm For Area 6	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
22	LP-AR6-TGD	Toxic Gas Alarm For Area 6	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
23	LP-AR7-FD	Fire Alarm For Area 7	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
24	LP-AR7-FGD	Felemmable Gas Alarm For Area 7	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
25	LP-AR7-TGD	Toxic Gas Alarm For Area 7	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
26	LP-AR8-FD	Fire Alarm For Area 8	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
27	LP-AR9-FD	Fire Alarm For Area 9	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
28	LP-CB-FD	Fire Alarm For Control Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
29	LP-CB-FGD	Felemmable Gas Alarm For Control Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
30	LP-CB-TGD	Toxic Gas Alarm For Control Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					
31	LP-EB-FD	Fire Alarm For Electrical Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D03					

 NISOC		تجهذات 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	ساختارکننده	نهیلات	رشته	نوع مدارک	سروال	نسخه	شماره صفحه: ۱۲ از ۱۶														
۰۳ - ۰۲ - ۹۱۸		BK	GCS	PEDCO	120	IN	LI	0004	D03																
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			
32	LP-EB-FGD	Felemmable Gas Alarm For Electrical Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
33	LP-EB-TGD	Toxic Gas Alarm For Electrical Building	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
34	LP-PSH-2302	Deluge Valve 2302 Opened	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
35	LP-PSH-2303	Deluge Valve 2303 Opened	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
36	LP-PSH-2304	Deluge Valve 2304 Opened	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
37	LP-PSH-2305	Deluge Valve 2305 Opened	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
38	LP-P-2301B	Diesel Pump Status	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
39	LP-P-2301A	Electrical Pump Status	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
40	LP-CO2-RE	CO2 Release Status	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
41	PB-DV-2302	Deluge Valve 2302 Open Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
42	PB-DV-2303	Deluge Valve 2302 Open Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
43	PB-DV-2304	Deluge Valve 2302 Open Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
44	PB-DV-2305	Deluge Valve 2302 Open Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
45	PB-P-2301B	Diesel Pump Start Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
46	PB-P-2301A	Electrical Pump Start Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
47	PB-CO2-CO	CO2 Release Command	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
48	PB-RST	RESET-PB	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
49	PB-ACK-HO	ACK HORN-PB	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
50	PB-ACK	ACK-PB	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DI-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03
51	HORN	Audible Alarm	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D03

 NISOC				تنگداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								 HURGAN 												
شماره پیمان:				IO LIST FOR F&G SYSTEMS								شماره صفحه: ۱۳ از ۱۶												
				نسخه	میرال	نوع مدارک	رشته	تجهیزات	صادر کننده	بسته کاری	پروژه													
۰۲ - ۷۲ - ۱۱۴۱				D03	0004	LI	IN	120	PEDCO	GCS	BK													
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				LL				
FOR BUILDING																								
FACP LOOP 1																								
1	FACP	Output Port of Loop 1	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	MAC-1104	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
2	MAC-1104	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1104	SD-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
3	SD-1101	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1101	SD-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
4	SD-1102	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1102	SD-1103	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
5	SD-1103	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1103	SD-1104	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
6	SD-1104	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1104	SD-1105	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
7	SD-1105	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1105	SD-1106	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
8	SD-1106	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1106	SD-1107	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
9	SD-1107	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1107	SD-1108	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
10	SD-1108	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1108	MAC-1103	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
11	MAC-1103	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1103	HN-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
12	HN-1102	Horn	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	HN-1102	BR-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
13	BR-1102	Beacon—Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BR-1102	BB-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
14	BB-1102	Beacon—Blue	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BB-1102	BY-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
15	BY-1102	Beacon—Yellow	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BY-1102	MAC-1102	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
16	MAC-1102	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1102	MAC-1106	24 VDC	Modbus Data		Note 1					ADDRESSABLE		D03					
17	MAC-1106	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1106	BR-1103	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
18	BR-1103	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BR-1103	BL-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
19	BL-1101	Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BL-1101	SD-1109	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
20	SD-1109	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1109	BR-1104	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
21	BR-1104	Beacon—Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BR-1104	MAC-1106	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
22	MAC-1105	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1105	0	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
23		Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	0	MAC-1109	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
24	MAC-1109	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1109	HN-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
25	HN-1101	Horn	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	HN-1101	BR-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
26	BR-1101	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BR-1101	BB-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
27	BB-1101	Beacon - Blue	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BB-1101	BY-1101	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
28	BY-1101	Beacon - Yellow	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	BY-1101	SD-1116	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
29	SD-1116	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1116	SD-1117	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
30	SD-1117	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1117	MAC-1107	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
31	MAC-1107	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1107	SD-1120	24 VDC	Modbus Data		Note 1					ADDRESSABLE	deleted	D03					
32	SD-1120	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1120	SD-1118	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
33	SD-1118	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1118	SD-1119	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
34	SD-1119	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1119	SD-1114	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
35	SD-1114	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1114	SD-1113	24 VDC	Modbus Data		Note 1					ADDRESSABLE							
36	SD-1113	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1113	SD-1111	24 VDC	Modbus Data		Note 1					ADDRESSABLE							

 NISOC				تگه‌بانت و افزایش تولید میدان نفتی بینک سطح الارض															
شماره پیمان: ۰۲ - ۷۲ - ۱۱۴۱				IO LIST FOR F&G SYSTEMS								شماره صفحه: ۱۴ از ۱۶							
				پروژه	بسته کاری	مصادر کننده	تهیه‌ات	رشته	نوع مدارک	سریال	نسخه								
				BK	GCS	PEDCO	120	IN	LI	0004	D03								
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			
37	SD-1111	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1111	SD-1110	24 VDC	Modbus Data	Note 1						ADDRESSABLE		
38	SD-1110	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1110	SD-1112	24 VDC	Modbus Data	Note 1						ADDRESSABLE		
39	SD-1112	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1112	SD-1115	24 VDC	Modbus Data	Note 1						ADDRESSABLE		
40	SD-1115	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1115	MAC-1108	24 VDC	Modbus Data	Note 1						ADDRESSABLE		
41	MAC-1108	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	MAC-1108	EACP	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
FACP LOOP 2																			
1	FACP	Output Port of Loop 2	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	SD-1181	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
2	SD-1181	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1181	SD-1182	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
3	SD-1182	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1182	SD-1183	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
4	SD-1183	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1183	SD-1184	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
5	SD-1184	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1184	SD-1185	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
6	SD-1185	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1185	SD-1186	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
7	SD-1186	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1186	SD-1187	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
8	SD-1187	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1187	SD-1188	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
9	SD-1188	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1188	SD-1189	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
10	SD-1189	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1189	SD-1190	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
11	SD-1190	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1190	SD-1191	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
12	SD-1191	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1191	SD-1192	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
13	SD-1192	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1192	SD-1193	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
14	SD-1193	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1193	SD-1194	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
15	SD-1194	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1194	SD-1195	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
16	SD-1195	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1195	SD-1196	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
17	SD-1196	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1196	SD-1197	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
18	SD-1197	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1197	FACP	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
FACP LOOP 3																			
1	FACP	Output Port of Loop 3	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	SD-1160	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
2	SD-1160	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1160	SD-1161	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
3	SD-1161	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1161	SD-1162	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
4	SD-1162	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1162	SD-1163	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
5	SD-1163	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1163	SD-1164	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
6	SD-1164	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1164	SD-1165	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
7	SD-1165	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1165	SD-1166	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
8	SD-1166	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1166	SD-1167	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
9	SD-1167	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1167	SD-1168	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
10	SD-1168	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1168	SD-1169	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
11	SD-1169	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1169	SD-1170	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
12	SD-1170	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1170	SD-1171	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03
13	SD-1171	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1171	SD-1172	24VDC	Modbus Data	Note 1						ADDRESSABLE	deleted	D03

 NISOC		تکديانت و افزايش توليد ميدان نفتي بينک سطح الارض							 HURGAN												
		احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																			
		I/O LIST FOR F&G SYSTEMS																			
شماره پیمان:		پروژه	بنه کاری	مطالرکننده	تجهيزات	رشته	نوع مدارک	ميرال	نسخه	شماره صفحه: ۱۵ از ۱۶											
۰۲ - ۷۲ - ۱۱۴۱		BK	GCS	PEDCO	120	IN	LI	0004	D03												
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	LL				
14	SD-1162	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1162	SD-1163	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
15	SD-1163	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1163	SD-1164	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
16	SD-1164	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1164	SD-1165	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
17	SD-1165	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1165	SD-1166	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
18	SD-1166	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1166	SD-1167	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
19	SD-1167	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1167	SD-1168	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
20	SD-1168	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1168	SD-1169	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
21	SD-1169	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1169	SD-1170	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
22	SD-1170	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note-1	Note-1	SD-1170	FACP	24-VDC	Modbus-Data	Note-1							ADDRESSABLE	deleted	D03	
FACP LOOP 4																					
1	FACP	Output Port of Loop 4	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	HN-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
2	HN-1201	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	HN-1201	BR-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
3	BR-1201	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	BR-1201	BB-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
4	BB-1201	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	BB-1201	BY-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
5	BY-1201	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	BY-1201	MAC-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
6	MAC-1201	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	MAC-1201	SD-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
7	SD-1201	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	SD-1201	SD-1203	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
8	SD-1203	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	SD-1203	SD-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
7	SD-1202	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	SD-1202	SD-1204	24 VDC	Modbus Data	Note 1							ADDRESSABLE	ADDED	D03	
8	SD-1204	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	SD-1204	MAC-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE	ADDED	D03	
9	MAC-1202	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	MAC-1202	FACP	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
FACP LOOP 5																					
1	FACP	Output Port of Loop 5	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	HN-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
2	HN-1202	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	HN-1202	BR-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
3	BR-1202	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	BR-1202	BY-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
4	BB-1202	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	BB-1202	BY-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
5	BY-1202	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	BY-1202	MAC-1203	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
6	MAC-1203	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	MAC-1203	LHD-1201	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
7	LHD-1201	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	LHD-1201	LHD-1202	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
8	LHD-1202	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	LHD-1202	LHD-1203	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
9	LHD-1203	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	LHD-1203	FACP	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
FACP LOOP 6																					
1	FACP	Output Port of Loop 6	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	FACP	SD-1301	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
2	SD-1301	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1301	SD-1302	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
3	SD-1302	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1302	SD-1303	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
4	SD-1303	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note 1	SD-1303	HD-1303	24 VDC	Modbus Data	Note 1							ADDRESSABLE			
5	HD-1303	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note 1	HD-1303	MAC-1303	24 VDC	Modbus Data	Note 1							ADDRESSABLE	ADDED	D03	
6	MAC-1303	Manual Call Point	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note 1	MAC-1303	SD-1304	24 VDC	Modbus Data	Note 1							ADDRESSABLE	deleted	D03	

