

 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: 1 از 18
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D02	

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR F&G SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

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: 2

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:

053 - 073 - 9184

پروژه

BK

بسته کاری

GCS

صادر کننده

PEDCO

تسهیلات

120

رشته

IN

نوع مدرک

LI

سریال

0004

نسخه

D02

شماره صفحه: 12 از 18

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04
1	X	X	X		
2	X	X	X		
3	X	X			
4	X	X	X		
5	X	X	X		
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NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



I/O LIST FOR F&G SYSTEMS

شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 13 از 18
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D02	

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:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D02	

F&G I/O SUMMERY COUNT

D02

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)	88	106	NOTES 4,5
2	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	47	57	
3	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	130	156	

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																						
شماره پیمان:				I/O LIST FOR F&G SYSTEMS																						
				پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه															
053 - 073 – 9184				BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 5 از 18														
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)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*					Conventional		D02	
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		D02	
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		D02	
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		D02	
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		D02	
6	BY-1001	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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	

 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	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه	
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 6 از 18

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				
	D02			D02																					D02		
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	
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		D02	

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  														
شماره پیمان:				I/O LIST FOR F&G SYSTEMS																								
				پروژه		بسته کاری		صادر کننده		تهیهات		رشته		نوع مدرک		سریال		نسخه										
053 - 073 – 9184				BK		GCS		PEDCO		120		IN		LI		0004		D02										
شماره صفحه: 7 از 18																												
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					
	D02			D02																								
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			D02	
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			D02	
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			D02	
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			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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			D02	
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			D02	
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			D02	
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			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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			D02	
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			D02	
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			D02	
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			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	
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	*	*	*	*	*	*	*	*		v	v		Conventional			D02	

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																								
شماره پیمان:				I/O LIST FOR F&G SYSTEMS																								
				پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه																	
053 - 073 – 9184				BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 8 از 18																
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					
	D02			D02																								
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	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
113	FGD-5001C	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	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
114	TGD-5001A	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
115	TGD-5001B	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
116	TGD-5001C	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
117	FD-6001	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
118	FD-6002	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
119	FGD-6001	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
120	FGD-6002	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
121	FGD-6003	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
122	TGD-6001	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
123	TGD-6002	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
124	TGD-6003	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
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)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
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)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
127	LHD-7003	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
128	LHD-7004	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
129	FGD-7001	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
130	FGD-7002	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
131	FGD-7003	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
132	TGD-7001	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
133	TGD-7002	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
134	TGD-7003	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
135	FD-8001	Flame Detector	Area 8 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (11 OF 12)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02		
FOR BUILDING																												
1	FGD-1101	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
2	FGD-1102	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
3	FGD-1103	Flammable Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
4	TGD-1101	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
5	TGD-1102	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
6	TGD-1103	Toxic Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
7	FGD-1201	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
8	FGD-1202	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
9	FGD-1203	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
10	TGD-1201	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
11	TGD-1202	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		
12	TGD-1203	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/6)	Eexia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*		v	v		Conventional		D02		

 NISOC 053 - 073 – 9184			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	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 9 از 18																	
			BK	GCS	PEDCO	120	IN	LI	0004	D02																		
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					
	D02			D02																								
13	HGD-1101	Hydrogen Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	*	*	*	*	*	*	*	*	*	v	v		Conventional		D02		
14	HGD-1102	Hydrogen Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	*	*	*	*	*	*	*	*	*	v	v		Conventional		D02		
15	HGD-1103	Hydrogen Gas Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	2 Core x 1.5	*	*	*	*	*	*	*	*	*	v	v		Conventional		D02		
16	HD-1101	Heat Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
17	HD-1102	Heat Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
18	HD-1103	Heat Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
18	MAC-1102	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
SIGNALS BETWEEN F&G AND ESD SYSTEM & OTHER SYSTEMS																												
1	ESD0-FG-1101	ESD 0 Request	Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
2	ESD1A-FG-1101	ESD 1A Request	Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
3	ESD2A-FG-1101A	ESD 2A(Train A) Request	Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
4	ESD2A-FG-1101B	ESD 2A(Train B) Request	Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
5	ESD2A-FG-1101C	ESD 2A(Train C) Request	Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	ESD	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
6	FAN-FG-1101	Battery Room Standby Fan Activation	Control Building	-	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
7	INB-FG-1101	Inhibit to Boost for UPS Charger	Control Building	-	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	UPS	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
8	Ex-FG-G-1101	F&G System confirmed Gas Alarm to Existing F&G	Control Building	-	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
9	Ex-FG-F-1101	F&G System confirmed Fire Alarm to Existing F&G System	Control Building	-	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
10	Ex-FG-G-1102	Existing F&G confirmed Gas Alarm to F&G System	Control Building	-	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
11	Ex-FG-F-1102	Existing F&G confirmed Fire Alarm to F&G System	Control Building	-	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
12	LSLL-2301	Low Low Level Alarm	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/1)	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
13	LSLL-2302	Low Low Level Alarm	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/1)	Eexd 'Zone1, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
14	HSS-2301A	Pump Start Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2301A		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
15	XL-2301A	Pump Local/ Remote Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
16	XR-2301A	Pump Running/ Stopped Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
17	XF-2301A	Pump Fault Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
18	PAL-2301A	Low Pressure Alarm	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301A	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
19	HSS-2301B	Pump Start Command	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2301B		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
20	XL-2301B	Pump Local/ Remote Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
21	XR-2301B	Pump Running/ Stopped Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
22	XF-2301B	Pump Fault Status	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
23	PAL-2301B	Low Pressure Alarm	Control Building	BK-GCS-PEDCO-120-SA-PI-0001(2/2)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS		24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*	*				Conventional		D02		
24	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		D02		
25	XL-2302A	Pump Local/ Remote 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		D02		
26	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		D02		
27	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		D02		
28	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		D02		
29	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		D02		

 NISOC			نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																						
شماره پیمان:			I/O LIST FOR F&G SYSTEMS										شماره صفحه: 10 از 18												
			پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدارک	سریال	نسخه															
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0004	D02															
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			
	D02			D02																					
30	XL-2302B	Pump Local/ Remote 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		D02
31	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		D02
32	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		D02
33	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		D02
SIGNALS TO ESD/F&G MIMIC PANEL																									
1	LAMP1-ACB-FD	Single Detection Fire Alarm Lamp 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		D02
2	LAMP2-ACB-FD	Double Detection Fire Alarm Lamp 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		D02
3	LAMP1-TGCA-FD	Single Detection Fire Alarm Lamp for Turbo Comp. 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		D02
4	LAMP2-TGCA-FD	Double Detection Fire Alarm Lamp for Turbo Comp. 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		D02
5	LAMP1-TGCB-FD	Single Detection Fire Alarm Lamp for Turbo Comp. 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		D02
6	LAMP2-TGCB-FD	Double Detection Fire Alarm Lamp for Turbo Comp. 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		D02
7	LAMP1-TGCC-FD	Single Detection Fire Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D02
8	LAMP2-TGCC-FD	Double Detection Fire Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D02
9	LAMP1-AC-FD	Single Detection Fire Alarm Lamp 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		D02
10	LAMP2-AC-FD	Double Detection Fire Alarm Lamp 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		D02
11	LAMP1-MVSG-FD	Single Detection Fire Alarm Lamp for Utility Area	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D02
12	LAMP2-MVSG-FD	Double Detection Fire Alarm Lamp for Utility Area	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D02
13	LAMP1-TCA-FGD	Unconfirmed Low FGD Alarm Lamp for Turbo Comp. 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		D02
14	LAMP2-TCA-FGD	Confirmed Low FGD Alarm Lamp for Turbo Comp. 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		D02
15	LAMP3-TCA-FGD	Unconfirmed High FGD Alarm Lamp for Turbo Comp. 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		D02
16	LAMP4-TCA-FGD	Confirmed High FGD Alarm Lamp for Turbo Comp. 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		D02
17	LAMP1-TCB-FGD	Unconfirmed Low FGD Alarm Lamp for Turbo Comp. 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		D02
18	LAMP2-TCB-FGD	Confirmed Low FGD Alarm Lamp for Turbo Comp. 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		D02
19	LAMP3-TCB-FGD	Unconfirmed High FGD Alarm Lamp for Turbo Comp. 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		D02
20	LAMP4-TCB-FGD	Confirmed High FGD Alarm Lamp for Turbo Comp. 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		D02

 NISOC 053 - 073 - 9184		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 صفحه: 11 از 18															
		پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه																		
		BK	GCS	PEDCO	120	IN	LI	0004		D02																	
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				
	D02			D02																					D02		
21	LAMP1-TCC-FGD	Unconfirmed Low FGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
22	LAMP2-TCC-FGD	Confirmed Low FGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02(ADDED)	
23	LAMP3-TCC-FGD	Unconfirmed High FGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
24	LAMP4-TCC-FGD	Confirmed High FGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
25	LAMP1-GCA-FGD	Unconfirmed Low FGD Alarm Lamp for Gas Cooler 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		D02	
26	LAMP2-GCA-FGD	Unconfirmed High FGD Alarm Lamp for Gas Cooler 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		D02	
27	LAMP1-GCB-FGD	Unconfirmed Low FGD Alarm Lamp for Gas Cooler 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		D02	
28	LAMP2-GCB-FGD	Unconfirmed High FGD Alarm Lamp for Gas Cooler 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		D02	
29	LAMP1-GCC-FGD	Unconfirmed Low FGD Alarm Lamp for Gas Cooler C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
30	LAMP2-GCC-FGD	Unconfirmed High FGD Alarm Lamp for Gas Cooler C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
31	LAMP-SCA-FGD	FGD Alarm Lamp for Scrubber A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*							D02	
32	LAMP-SCB-FGD	FGD Alarm Lamp for Scrubber B	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*							D02	
33	LAMP-SCC-FGD	FGD Alarm Lamp for Scrubber C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*							D02	
34	LAMP1-CR-FGD	Unconfirmed Low FGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
35	LAMP2-CR-FGD	Confirmed Low FGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
36	LAMP3-CR-FGD	Unconfirmed High FGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
37	LAMP4-CR-FGD	Confirmed High FGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
38	LAMP1-EB-FGD	Unconfirmed Low FGD Alarm Lamp 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			
39	LAMP2-EB-FGD	Confirmed Low FGD Alarm Lamp 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		D02	
40	LAMP3-EB-FGD	Unconfirmed High FGD Alarm Lamp 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		D02	
41	LAMP4-EB-FGD	Confirmed High FGD Alarm Lamp 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		D02	
42	LAMP-PA-FGD	FGD Alarm Lamp for Utility Area	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*							D02	
43	LAMP1-BR-HGD	Unconfirmed Low Hydrogen Gas Alarm Lamp for Battery Room	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	
44	LAMP2-BR-HGD	Confirmed Low Hydrogen Gas Alarm Lamp for Battery Room	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02	

 NISOC			نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																							
شماره پیمان:			I/O LIST FOR F&G SYSTEMS										شماره صفحه: 12 از 18													
			پروژه	بنه کاری	صادر کننده	تهیهات	رشته	نوع مدارک	سریال	نسخه																
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0004			D02														
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			
45	LAMP3-BR-HGD	Unconfirmed High Hydrogen Gas Alarm Lamp for Battery Room	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
46	LAMP4-BR-HGD	Confirmed High Hydrogen Gas Alarm Lamp for Battery Room	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
47	LAMP1-TCA-TGD	Unconfirmed Low TGD Alarm Lamp for Turbo Comp. 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		D02
48	LAMP2-TCA-TGD	Confirmed Low TGD Alarm Lamp for Turbo Comp. 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		D02
49	LAMP3-TCA-TGD	Unconfirmed High TGD Alarm Lamp for Turbo Comp. 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		D02
50	LAMP4-TCA-TGD	Confirmed High TGD Alarm Lamp for Turbo Comp. 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		D02
51	LAMP1-TCB-TGD	Unconfirmed Low TGD Alarm Lamp for Turbo Comp. 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		D02
52	LAMP2-TCB-TGD	Confirmed Low TGD Alarm Lamp for Turbo Comp. 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		D02
53	LAMP3-TCB-TGD	Unconfirmed High TGD Alarm Lamp for Turbo Comp. 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		D02
54	LAMP4-TCB-TGD	Confirmed High TGD Alarm Lamp for Turbo Comp. 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		D02
55	LAMP1-TCC-TGD	Unconfirmed Low TGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
56	LAMP2-TCC-TGD	Confirmed Low TGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
57	LAMP3-TCC-TGD	Unconfirmed High TGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
58	LAMP4-TCC-TGD	Confirmed High TGD Alarm Lamp for Turbo Comp. C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
59	LAMP1-GCA-TGD	Unconfirmed Low TGD Alarm Lamp for Gas Cooler A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	10 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
60	LAMP2-GCA-TGD	Unconfirmed High TGD Alarm Lamp for Gas Cooler A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	10 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
61	LAMP1-GCB-TGD	Unconfirmed Low TGD Alarm Lamp for Gas Cooler 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		D02
62	LAMP2-GCB-TGD	Unconfirmed High TGD Alarm Lamp for Gas Cooler 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		D02
63	LAMP1-GCC-TGD	Unconfirmed Low TGD Alarm Lamp for Gas Cooler C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
64	LAMP2-GCC-TGD	Unconfirmed High TGD Alarm Lamp for Gas Cooler C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*						Conventional		D02
65	LAMP-SCA-TGD	TGD Alarm Lamp for Scrubber A	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*								D02
66	LAMP-SCAB-TGD	TGD Alarm Lamp for Scrubber B	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*								D02
67	LAMP-SCC-TGD	TGD Alarm Lamp for Scrubber C	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*								D02

 NISOC 053 - 073 – 9184		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																			
		I/O LIST FOR F&G SYSTEMS																			
		نسخه	سریال	نوع مدرک	رشته	تهیهات	صادر کننده	بسته کاری	پروژه	شماره پیمان											
D02	0004	LI	IN	120	PEDCO	GCS	BK														

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			
68	LAMP1-CR-TGD	Unconfirmed Low TGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02
69	LAMP2-CR-TGD	Confirmed Low TGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02
70	LAMP3-CR-TGD	Unconfirmed High TGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02
71	LAMP4-CR-TGD	Confirmed High TGD Alarm Lamp for Control Building AIR Entrance	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02
72	LAMP1-EB-TGD	Unconfirmed Low TGD Alarm Lamp 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		D02
73	LAMP2-EB-TGD	Confirmed Low TGD Alarm Lamp 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		D02
74	LAMP3-EB-TGD	Unconfirmed Hig TGD Alarm Lamp 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		D02
75	LAMP4-EB-TGD	Confirmed High TGD Alarm Lamp 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		D02
76	LAMP-PA-TGD	TGD Alarm Lamp for Utility Area	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*							D02
77	LAMP-PA-FD	Fire Alarm Lamp for Utility Area	Control Building	BK-GCS-PEDCO-120-IN-DT-0017	-	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D02

 NISOC		تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض																		
		I/O LIST FOR F&G SYSTEMS																		
		شماره پیمان:	پروژه	بسته کاری	صادر کننده	نهایت	رشته	نوع مدرک	سریال	نسخه										
053 - 073 – 9184		BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 14 از 18										
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			
				D02															D02	
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	Note1	FACP	MAC-1104	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
2	MAC-1104	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1104	SD-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
3	SD-1101	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1101	SD-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
4	SD-1102	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1102	SD-1103	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
5	SD-1103	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1103	SD-1104	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
6	SD-1104	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1104	SD-1105	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
7	SD-1105	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1105	SD-1106	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
8	SD-1106	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1106	SD-1107	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
9	SD-1107	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1107	SD-1108	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
10	SD-1108	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1108	MAC-1103	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
11	MAC-1103	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1103	HN-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
12	HN-1102	Horn	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	HN-1102	BR-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
13	BR-1102	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1102	BB-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
14	BB-1102	Beacon - Blue	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BB-1102	BY-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
15	D02 BY-1102	Beacon - Yellow	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BY-1102	MAC-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
16	MAC-1101	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1101	MAC-1106	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
17	MAC-1106	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1106	BR-1103	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
18	D02 BR-1103	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1103	BL-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
19	BL-1101	Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BL-1101	SD-1109	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
20	SD-1109	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1109	BR-1104	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
21	D02 BR-1104	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1104	MAC-1105	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
22	MAC-1105	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1105	BL-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
23	BL-1102	Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BL-1102	MAC-1109	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
24	D02 MAC-1109	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1109	HN-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
25	HN-1101	Horn	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	HN-1101	BR-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
26	BR-1101	Beacon - Red	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BR-1101	BB-1101	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
27	BB-1101	Beacon - Blue	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BB-1101	BY-1102	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
28	D02 BY-1102	Beacon - Yellow	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BY-1102	SD-1116	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
29	SD-1116	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1116	SD-1117	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
30	SD-1117	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1117	MAC-1107	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		
31	MAC-1107	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1107	SD-1120	24 VDC	Modbus Data	Note1			ADDRESSABLE				D02		

 NISOC	تکه‌داشت 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	صادر کننده	لیستات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 15 از 18
	BK	GCS	PEDCO	120	IN	LI	0004	D02	
053 - 073 – 9184									

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			
																				
32		SD-1120	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1120	SD-1118	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
33		SD-1118	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1118	SD-1119	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
34		SD-1119	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1119	SD-1114	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
35		SD-1114	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1114	SD-1113	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
36		SD-1113	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1113	SD-1111	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
37			Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1111	SD-1110	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
38		SD-1110	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1110	SD-1112	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
39		SD-1112	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1112	SD-1115	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
40		SD-1115	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1115	MAC-1108	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
41		MAC-1108	Manual Call Point	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	MAC-1108	FACP	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
42		BL-1103	Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BL-1103	SD-1114	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
43		SD-1121	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1121	SD-1122	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
44		SD-1122	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1122	SD-1123	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
45		SD-1123	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1123	SD-1124	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
46		SD-1124	Smoke Detector	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1124	MAC-1105	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
47		BL-1103	Bell	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	BL-1103	FACP	24 VDC	Modbus Data	Note1						D02		
FACP LOOP 2																				
1		FACP	Output Port of Loop 2	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1181	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
2		SD-1181	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1181	SD-1182	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
3		SD-1182	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1182	SD-1183	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
4		SD-1183	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1183	SD-1184	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
5		SD-1184	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1184	SD-1185	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
6		SD-1185	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1185	SD-1186	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
7		SD-1186	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1186	SD-1187	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
8		SD-1187	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1187	SD-1188	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
9			Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1188	SD-1189	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
10		SD-1189	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1189	SD-1190	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
11			Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1190	SD-1191	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
12		SD-1191	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1191	SD-1192	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
13		SD-1192	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1192	SD-1193	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
14			Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1193	SD-1194	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
15		SD-1194	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1194	SD-1195	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		
16			Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1195	SD-1196	24 VDC	Modbus Data	Note1				ADDRESSABLE		D02		

 NISOC	تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض								 شرکت گاز ایران			
	I/O LIST FOR F&G SYSTEMS											
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهيزات	رشته	نوع مدارک	سرمال	نسخه			
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 16 از 18		

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			
17	D02 SD-1196	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1196	SD-1197	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
18	D02 SD-1197	Smoke Detector	Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1197	FACP	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
FACP LOOP 3																			
1	D02 FACP	Output Port of Loop 3	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1150	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
2	D02 SD-1150	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1150	SD-1151	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
3	D02 SD-1151	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1151	SD-1152	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
4	D02 SD-1152	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1152	SD-1153	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
5	D02 SD-1153	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1153	SD-1154	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
6	D02 SD-1154	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1154	SD-1155	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
7	D02 SD-1155	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1155	SD-1156	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
8	D02 SD-1156	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1156	SD-1157	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
9	D02 SD-1157	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1157	SD-1158	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
10	D02 SD-1158	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1158	SD-1159	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
11	D02 SD-1159	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1159	SD-1160	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
12	D02 SD-1160	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1160	SD-1161	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
13	D02 SD-1161	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1161	SD-1162	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
14	D02 SD-1162	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1162	SD-1163	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
15	D02 SD-1163	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1163	SD-1164	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
16	D02 SD-1164	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1164	SD-1165	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
17	D02 SD-1165	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1165	SD-1166	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
18	D02 SD-1166	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1166	SD-1167	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
19	D02 SD-1167	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1167	SD-1168	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
20	D02 SD-1168	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1168	SD-1169	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
21	D02 SD-1169	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1169	SD-1170	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
22	D02 SD-1170	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1170	FACP	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
FACP LOOP 4																			
1	D02 FACP	Output Port of Loop 4	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	HN-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
2	D02 HN-1201	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	HN-1201	BR-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
3	D02 BR-1201	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BR-1201	BB-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
4	D02 BB-1201	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BB-1201	MAC-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
5	D02 BY-1201	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BY-1201	SD-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
6	D02 MAC-1201	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1201	SD-1201	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02
7	D02 SD-1201	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	SD-1201	SD-1202	24 VDC	Modbus Data	Note1						ADDRESSABLE		D02

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 HIRGAN										
			I/O LIST FOR F&G SYSTEMS																	
شماره پیمان:			پروژه	بسته کاری	صادر کننده	نهیات	رشته	نوع مدرک	سریال	نسخه										
053 - 073 - 9184			BK	GCS	PEDCO	120	IN	LI	0004	D02	شماره صفحه: 17 از 18									
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			
8	SD-1202	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	SD-1202	MAC-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
9	MAC-1202	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1202	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
FACP LOOP 5																				
1	FACP	Output Port of Loop 5	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	HN-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
2	HN-1202	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	HN-1202	BR-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
3	BR-1202	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BR-1202	BY-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
4	BB-1202	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BB-1202	BY-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
5	BY-1202	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	BY-1202	MAC-1203	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
6	MAC-1203	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	MAC-1203	LHD-1201	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
7	LHD-1201	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1201	LHD-1202	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
8	LHD-1202	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1202	LHD-1203	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
9	LHD-1203	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/6)	Note 1	Note1	LHD-1203	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
FACP LOOP 6																				
1	FACP	Output Port of Loop 6	Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	FACP	SD-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
2	SD-1301	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1301	SD-1302	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
3	SD-1302	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1302	SD-1303	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
4	SD-1303	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1303	MAC-1303	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
5	MAC-1303	Manual Call Point	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1303	SD-1304	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
6	SD-1304	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1304	SD-1305	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
7	SD-1305	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1305	SD-1306	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
8	SD-1306	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1306	SD-1307	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
9	SD-1307	Smoke Detector	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/6)	Note 1	Note1	SD-1307	MAC-1302	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
10	MAC-1302	Manual Call Point	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1302	MAC-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
11	MAC-1301	Manual Call Point	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	MAC-1301	HN-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
12	HN-1301	Horn	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	HN-1301	BR-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
13	BR-1301	Beacon - Red	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BR-1301	BB-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
14	BB-1301	Beacon - Blue	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BB-1301	BY-1301	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
15	BY-1301	Beacon - Yellow	Telecom Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/6)	Note 1	Note1	BY-1301	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
SIGNALS BETWEEN FACP AND CO2 CONTROL PACKAGE																				
1	XA-CO2-1101	MANUAL/AUTO SELECTOR SWITCH STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02
2	XRE-CO2-1101	RELEASED STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FACP	24 VDC	Modbus Data	Note1							ADDRESSABLE		D02

 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:		نسخه	سریال	نوع مدارک	رشته	نهیلات	صادرکننده	پست کاری	پروژه	شماره پیمان:	
053 - 073 – 9184		D02	0004	LI	IN	120	PEDCO	GCS	BK	شماره صفحه: 18 از 18	

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			
				D02													D02			
3	XI-CO2-1101	INHIBIT STATUS (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FACP	24 VDC	Modbus Data	Note1						ADDRESSABLE			D02
4	XF-CO2-1101	GENERAL FAULT	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DI-NIS-R	CO2 Control Panel	FACP	24 VDC	Modbus Data	Note1						ADDRESSABLE			D02
5	HS-CO2-1101	AUTOMAT RELEASE COMMAND (FOR PROTECTED AREA)	Control Building	BK-GCS-PEDCO-120-SA-PI-0002	-	DO-NIS-R	FACP	CO2 Control Panel	24 VDC	Modbus Data	Note1						ADDRESSABLE			D02

Notes:

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