

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 	
	I/O LIST FOR F&G SYSTEMS								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادرکننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D05	شماره صفحه: 1 از 15

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR F&G SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

D05	NOV.2024	AFC	P.Hajisadeghi	M.Fakharian	M.Sadeghian	
D04	FEB.2024	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D03	NOV.2022	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D02	OCT.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	MAY.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	FEB.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1

CLIENT Doc. Number:F0Z-708970

status:

IDC: Inter-Discipline Check

IFC: Issued For Comment

IFA: Issued For Approval

AFD: Approved For Design

AFC: Approved For Construction

AFP: Approved For Purchase

AFQ: Approved For Quotation

IFI: Issued For Information

AB-R: As-Built for CLIENT Review

AB-A: As-Built -Approved

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I/O LIST FOR F&G SYSTEMS								
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 2 از 15
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0004	D05	

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	D05	Page	D00	D01	D02	D03	D04	D05
1	X	X	X	X	X	X	65						
2	X	X	X	X	X	X	66						
3	X	X				X	67						
4	X	X	X	X	X	X	68						
5	X	X	X	X	X	X	69						
6	X	X	X	X	X	X	70						
7	X	X	X	X	X	X	71						
8	X	X	X	X	X	X	72						
9		X	X	X	X	X	73						
10		X	X	X	X	X	74						
11		X	X	X	X	X	75						
12		X	X	X	X	X	76						
13		X	X	X	X	X	77						
14		X	X	X	X	X	78						
15			X	X		X	79						
16			X	X			80						
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: 053 - 073 - 9184	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 3 از 15
	BK	GCS	PEDCO	120	IN	LI	0004	D05	

REFERENCES(NOTE 2):

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

GENERAL NOTE

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

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک I/O LIST FOR F&G SYSTEMS								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0004	نسخه D05	شماره صفحه: 4 از 15

F&G I/O SUMMERY COUNT							
ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+20% SPARE)	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	87	104	NOTES 4,5
2	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	61	74	NOTES 4,5
3	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	119	135	NOTES 4,5

ABBREVIATIONS:

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

 NISOC			تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  													
شماره پیمان: 053 - 073 - 9184			NO LIST FOR F&G SYSTEMS													شماره صفحه: 5 از 15										
			شماره پیمان:	یوزده	بسته کاری	مادرکننده	انجهلات	رشته	نوع مدارک	سریال	نسخه															
			BK		GCS	PEDCO	120		IN		LI		0004		D05											
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
FOR PROCESS AREA																										
1	MAC-1001	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
2	MAC-1002	Manual Call Point	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
3	HN-1001	Horn	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
4	BR-1001	Beacon - Red	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
5	BB-1001	Beacon - Blue	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
6	BY-1001	Beacon - Yellow	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
7	MAC-2001	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
8	MAC-2002	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
9	MAC-2003	Manual Call Point	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
10	HN-2001	Horn	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
11	BR-2001	Beacon - Red	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
12	BB-2001	Beacon - Blue	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
13	BY-2001	Beacon - Yellow	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
14	MAC-3001	Manual Call Point	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
15	HN-3001	Horn	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
16	BR-3001	Beacon - Red	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
17	BB-3001	Beacon - Blue	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
18	BY-3001	Beacon - Yellow	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
19	MAC-4001	Manual Call Point	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
20	MAC-4002	Manual Call Point	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
21	HN-4001	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
22	BR-4001	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
23	BB-4001	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
24	BY-4001	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
25	HN-4002	Horn	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
26	BR-4002	Beacon - Red	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
27	BB-4002	Beacon - Blue	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
28	BY-4002	Beacon - Yellow	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
29	MAC-5001	Manual Call Point	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
30	MAC-5002	Manual Call Point	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
31	HN-5001	Horn	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
32	BR-5001	Beacon - Red	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
33	BB-5001	Beacon - Blue	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
34	BY-5001	Beacon - Yellow	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
35	MAC-6001	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
36	MAC-6002	Manual Call Point	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
37	HN-6001	Horn	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
38	BR-6001	Beacon - Red	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eoxd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		

 NISOC		تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک												شماره صفحه: 6 از 15												
IO LIST FOR F&G SYSTEMS																										
شماره پیمان:		پروژه	بسته کاری	مادر کننده	تجهيزات	رشته	نوع مدارک	سرال	نسخه																	
053 - 073 - 9184		BK	GCS	PEDCO	120	IN	LI	0004	D05																	
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 D05	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
39	BB-6001	Beacon - Blue	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
40	BY-6001	Beacon - Yellow	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
41	MAC-7001	Manual Call Point	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
42	MAC-7002	Manual Call Point	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
43	HN-7001	Horn	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
44	BR-7001	Beacon - Red	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
45	BB-7001	Beacon - Blue	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
46	BY-7001	Beacon - Yellow	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
47	MAC-8001	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
48	MAC-8002	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
49	MAC-8003	Manual Call Point	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	ADDED	D05
50	HN-8001	Horn	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
51	BR-8001	Beacon - Red	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
52	BB-8001	Beacon - Blue	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
53	BY-8001	Beacon - Yellow	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& 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	D05	
54	MAC-9001	Manual Call Point	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		D05
55	MAC-9002	Manual Call Point	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	DELETED	D05
56	HN-9001	Horn	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	2X DO-NIS-R	FGS	Field	-	24 VDC	5 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
57	BR-9001	Beacon - Red	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
58	BB-9001	Beacon - Blue	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
59	BY-9001	Beacon - Yellow	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (3 of 12)	Eexd Zone2, IIB T4	DO-NIS-R	FGS	Field	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*					Conventional		
60	FGD-1001	Flammable Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
61	TGD-1001	Toxic Gas Detector	Area 1 - Pig Receiver Area	BK-GCS-PEDCO-120-IN-PY-0005 (4 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
62	FD-2001	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
63	FD-2002	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
64	FD-2003	Flame Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*					Conventional	D05	
65	FGD-2001	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
66	FGD-2002	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
67	FGD-2003	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
68	FGD-2004	Flammable Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
69	TGD-2001	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
70	TGD-2002	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
71	TGD-2003	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	
72	TGD-2004	Toxic Gas Detector	Area 2 - Slug Catcher System Area	BK-GCS-PEDCO-120-IN-PY-0005 (5 OF 12)	Eexd Zone2, IIB T4	AH-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	√	√			Conventional	D05	



053 - 073-9184

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

NO LIST FOR E&G SYSTEMS

SIGNALS TO F&G SYSTEM



SIRCA
SOCIETÀ ITALIANA
RISERCHIA AMBIENTALE

شماره صفحه: 7 از 15

2000

0304

پستہ کاری

یاد رکھیں

تہملات

2	
---	--

١٥٤

--	--

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			
73	FD-3001	Flame Detector	Area 3 - Chemical Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (6 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
74	FD-4001A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
75	FD-4002A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
76	FD-4003A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
77	FD-4004A	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
78	FGD-4001A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
79	FGD-4002A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
80	FGD-4003A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
81	FGD-4004A	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
82	TGD-4001A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
83	TGD-4002A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
84	TGD-4003A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
85	TGD-4004A	Toxic Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
86	FD-4001B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
87	FD-4002B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
88	FD-4003B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
89	FD-4004B	Flame Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*					Conventional	D05	
90	FGD-4001B	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF 12)	Eexd Zone2, IIB T4	AI-S-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	√	√			Conventional	D05	
91	FGD-4002B	Flammable Gas Detector	Area 4 - 1St. & 2nd Stage Gas Compressor Area	BK-GCS-PEDCO-120-IN-PY-0005 (7 OF																					

 NISOC 053 - 073 - 9184				تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک										  																											
				IO LIST FOR F&G SYSTEMS																																					
				نمونه پیمان	بروز	بسته کاری	مادر کننده	تجهيزات	رشته	نوع مدارک	سرکال	بسته	شماره صفحه: 8 از 15																												
BK																						GCS		PEDCO		120		IN		LI		0004		D05							
SIGNALS TO F&G SYSTEM																																									
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM					I/O TYPE (ADDRESS V)	REMARK	REV.															
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL																		
112	FGD-5001C	Flammable Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
113	TGD-5001A	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
114	TGD-5001B	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
115	TGD-5001C	Toxic Gas Detector	Area 5 - 1St. & 2nd Stage Air Cooler Area	BK-GCS-PEDCO-120-IN-PY-0005 (8 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
116	FD-6001	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
117	FD-6002	Flame Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T5	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
118	FGD-6001	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T6	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
119	FGD-6002	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T7	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
120	FGD-6003	Flammable Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T8	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
121	TGD-6001	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T9	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
122	TGD-6002	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T10	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
123	TGD-6003	Toxic Gas Detector	Area 6 - Sump & Pig Launcher Area	BK-GCS-PEDCO-120-IN-PY-0005 (9 OF 12)	Eoxd Zone1, IIB T11	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
124	LHD-7001	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
125	LHD-7002	Linear Heat Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
126	FGD-7001	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
127	FGD-7002	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
128	FGD-7003	Flammable Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
129	TGD-7001	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
130	TGD-7002	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
131	TGD-7003	Toxic Gas Detector	Area 7 - Lean Glycol Storage Tank & Dehydration Package Area	BK-GCS-PEDCO-120-IN-PY-0005 (10 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
132	FD-8001	Flame Detector	Area 8 - Fuel Oil Storage Drum & Fire Water Storage Tanks& Air Compressor & Air Dryer	BK-GCS-PEDCO-120-IN-PY-0005 (11 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
133	FD-8002	Flame Detector	Area 9 - Diesel Generator Area	BK-GCS-PEDCO-120-IN-PY-0005 (12 OF 12)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
134	PT-2301	Pressure Transmitter	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(I/8)	Eoxia Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	2Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
135	LSLL-2301	Low Low Level Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(I/8)	Eoxia Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
136	LSLL-2302	Low Low Level Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(I/8)	Eoxia Zone2, IIB T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05																
FOR BUILDING																																									
1	FGD-1101	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
2	FGD-1102	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
3	FGD-1103	Flammable Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
4	TGD-1101	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
5	TGD-1102	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
6	TGD-1103	Toxic Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
7	FGD-1201	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
8	FGD-1202	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
9	FGD-1203	Flammable Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
10	TGD-1201	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
11	TGD-1202	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
12	TGD-1203	Toxic Gas Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (3/7)	Eoxd Zone2, IIB T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																
13	HGD-1101	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eoxia Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	*	*	v	v	Conventional	D05																

 NISOC			تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																										
شماره پیمان:			NO LIST FOR F&G SYSTEMS									شماره صفحه: 9 از 15																	
پروژه			بسته کاری		مصادر کننده		تجهيزات		رشته		نوع مدرک		سریال		نسخه														
BK			GCS		PEDCO		120		IN		LI		0004		D05														
SIGNALS TO F&G SYSTEM																													
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE/ Area CLASSIFICATION	I/O TYPE	FROM	TO	JB NO.	POWER SUPPLY	Cable Type	SYSTEM CABINET					Marshalling Cabinet		ALARM				I/O TYPE (ADDRE/CON V.)	REMARK	REV.				
												CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L				LL			
14	HGD-1102	Hydrogen Gas Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eexd 'Zone1, IIC T4	AI-IS-R	Field	FGS	-	4-20 mA	3 Core x 1.5	*	*	*	*	*	*	*	*	v	v		Conventional		D05				
16	HD-1101	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D05				
17	HD-1102	Heat Detector	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D05				
18	MAC-1101	Manual Call Point	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Eexd 'Zone1, IIC T4	DI-NIS-R	Field	FGS	-	-	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D05				
SIGNALS BETWEEN F&G AND ESD SYSTEM & OTHER SYSTEMS																													
1	ESDR0-FG-1101	ESD 0 Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC	12 PAIRx 1	*	*	*	*	*	*	*	*				Conventional		D05				
2	ESDR1A-FG-1101	ESD 1A Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
3	ESDR1A-FD-1101	ESD 1A Request	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DG-0003	Unclassified	DO-NIS-R	FGS	ESD	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
4	HVAC-FG-G-1101	Control building HVAC shut down & damper closed for gas detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	HVAC	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
5	HVAC-FG-F-1101	Control building HVAC shut down & damper closed for fire detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	HVAC	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
6	DAMP-FG-1101	Battery Room Damper1 closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional		D05				
7	DAMP-FG-1102	Battery Room Damper 2 closed	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
8	DAMP-FG-G-1101	Electrical building air intake damper closed for gas detection	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
9	FAN-FG-1101	Battery Room: stand by Fan Activation Command	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC	2 Core x 1.5	*	*	*	*	*	*	*	*				Conventional		D05				
10	FAN-FG-1102	Battery Room: Standby Fan Activation Command	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	DELETED	D05				
11	INB-FG-1101	Inhibit to Boost for UPS Charger 1	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
12	INB-FG-1102	Inhibit to Boost for UPS Charger 2	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC	19 PAIRx 1	*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
13	INB-FG-1103	Inhibit to Boost for UPS Charger 3	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
14	PISO-FG-1101	Power Isolation of Battery Bank 1	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
15	PISO-FG-1102	Power Isolation of Battery Bank 2	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
16	PISO-FG-1103	Power Isolation of Battery Bank 3	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	ADDED	D05				
17	EXT-FG-1101	Extinguishing System Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	DELETED	D05				
18	TOT-FG-1101	Total Flooding System Activation	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	UPS	-	24 VDC		*	*	*	*	*	*	*	*				Conventional	DELETED	D05				
19	Ex-FG-G-1101	F&G System confirmed Gas Alarm to Existing F&G	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional		D05				
20	Ex-FG-F-1101	F&G System confirmed Fire Alarm to Existing F&G	Extension of Existing Control Building	-	Unclassified	DO-NIS-R	FGS	Existing F&G	-	-		*	*	*	*	*	*	*	*				Conventional	to be finalized based on existing f&g system	D05				
21	Ex-FG-G-1102	Existing F&G System confirmed Gas Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-		*	*	*	*	*	*	*	*				Conventional		D05				
22	Ex-FG-F-1102	Existing F&G System confirmed Fire Alarm to F&G System	Extension of Existing Control Building	-	Unclassified	DI-NIS-R	Existing F&G	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional		D05				
23	HSS-2301A	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
24	XR-2301A	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	-		*	*	*	*	*	*	*	*				Conventional		D05				
25	XF-2301A	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional		D05				
26	PAL-2301	Low Pressure Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	IRP	-	24 VDC		*	*	*	*	*	*	*	*				Conventional		D05				
27	XM-2301A	Pump Auto/Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	IRP	FGS	-	-		*	*	*	*	*	*	*	*				Conventional		D05				
28	HSS-2301B	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2301B	-	24 VDC	7 PAIR x 1	*	*	*	*	*	*	*	*				Conventional		D05				
29	XM-2301B	Pump Auto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*				Conventional		D05				
30	XR-2301B	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PH-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*				Conventional		D05				

 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: 053 - 073 - 9184											
		نسخه: D05	سریال: 0004	نوع مدارک: LI	رشته: IN	تجهيزات: 120	مادر کننده: PEDCO	بینه کاری: GCS	پروژه: BK	شماره صفحه: 10 از 15															
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 D05	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			
31	XF-2301B	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*			Conventional	D05
32	PAL-2301B	Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2301B	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
33	HSS-2302A	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302A	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
34	XM-2302A	PumpAuto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
35	XR-2302A	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*			Conventional	D05
36	XF-2302A	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
37	PALL-2302A	Low Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302A	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
38	HSS-2302B	Pump Start Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	P-2302B	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
39	XM-2302B	PumpAuto/ Manual Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*			Conventional	D05
40	XR-2302B	Pump Running/ Stopped Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
41	XF-2302B	Pump Fault Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
42	PALL-2302B	Low Low Pressure Alarm	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(2/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	P-2302B	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
43	XA-CO2-1101	MANUAL/AUTO SELECTOR SWITCH STATUS (FOR RELEASED STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-	7 PAIR x 1	*	*	*	*	*	*	*	*	*	*			Conventional	D05
44	XRE-CO2-1101	RELEASED STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
45	XI-CO2-1101	INHIBIT STATUS (FOR PROTECTED AREA)	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
46	XF-CO2-1101	GENERAL FAULT	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DI-NIS-R	CO2 Control	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
47	HS-CO2-1101	AUTOMAT RELEASE COMMAND (FOR	Extension of Existing Control Building	BK-GCS-PEDCO-120-SA-PI-0002	Unclassified	DO-NIS-R	CO2 Control	FGS	-	24 VDC	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05
48	PSH-2302	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2302	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
49	DSOV-2302	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2302	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
50	PSH-2303	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2303	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
51	DSOV-2303	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2303	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
52	PSH-2304	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2304	FGS	-	-	1 PAIRx 1.5	*	*	*	*	*	*	*	*	*	*			Conventional	D05
53	DSOV-2304	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2304	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
54	PSH-2301	Valve Status	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DI-NIS-R	DV-2305	FGS	-	-		*	*	*	*	*	*	*	*	*	*			Conventional	D05
55	DSOV-2301	Valve Open Command	Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001(4/8)	Eexd 'Zone1, IIB T4	DO-NIS-R	FGS	DV-2305	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
SIGNALS TO F&G Matrix PANEL																									
1	LP-AR1-FD	Fire Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*	*	*			Conventional	D05
2	LP-AR1-FGD	Flammable Gas Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
3	LP-AR1-TGD	Toxic Gas Alarm For Area 1 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
4	LP-AR2-FD	Fire Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
5	LP-AR2-FGD	FlammableGas Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
6	LP-AR2-TGD	Toxic Gas Alarm For Area 2 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
7	LP-AR3-FD	Fire Alarm For Area 3 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05
8	LP-AR4A-FD	Fire Alarm For Area 4A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*	*	*			Conventional	D05

 NISOC		تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																								
		شماره پیمان: 053 - 073 - 9184		I/O LIST FOR F&G SYSTEMS																		شماره صفحه: 11 از 15				
پروژه	بسته کاری			مادر کننده	تجهيزات	رشته	نوع مدارك	سریال	نسخه																	
		BK	GCS	PEDCO	120	IN	LI	0004	D05																	
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 D05	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			
9	LP-AR4A-FGD	FlammableGas Alarm For Area 4 A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional	low frequency pulse for prealarm and high frequency pulse for alarm	D05
10	LP-AR4A-TGD	Toxic Gas Alarm For Area 4A Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
11	LP-AR4B-FD	Fire Alarm For Area 4B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
12	LP-AR4B-FGD	FlammableGas Alarm For Area 4 B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
13	LP-AR4B-TGD	Toxic Gas Alarm For Area 4B Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
14	LP-AR4C-FD	Fire Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
15	LP-AR4C-FGD	FlammableGas Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
16	LP-AR4C-TGD	Toxic Gas Alarm For Area 4C Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
17	LP-AR5-FD	Fire Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
18	LP-AR5-FGD	FlammableGas Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
19	LP-AR5-TGD	Toxic Gas Alarm For Area 5 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
20	LP-AR6-FD	Fire Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
21	LP-AR6-FGD	FlammableGas Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
22	LP-AR6-TGD	Toxic Gas Alarm For Area 6 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
23	LP-AR7-FD	Fire Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
24	LP-AR7-FGD	FlammableGas Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
25	LP-AR7-TGD	Toxic Gas Alarm For Area 7 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
26	LP-AR8-FD	Fire Alarm For Area 8 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
27	LP-AR9-FD	Fire Alarm For Area 9 Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
28	LP-CB-FD	Fire Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
29	LP-CB-FGD	FlammableGas Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
30	LP-CB-TGD	Toxic Gas Alarm For Control Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
31	LP-EB-FD	Fire Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05

 NISOC			تجهيزات و افزایش تولید میدان نفتی بینک سطح الارض																							
			I/O LIST FOR F&G SYSTEMS																							
			نوع مدارک		رشته		تجهيزات		مادر کننده		بسته کاری		پروژه		نوع مدارک		رشته		تجهيزات		مادر کننده					
053 - 073 - 9184		BK		GCS		PEDCO		120		IN		LI		0004		D05						شماره صفحه: 12 از 15				
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 D05	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
32	LP-EB-FGD	Flammable Gas Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional		D05
33	LP-EB-TGD	Toxic Gas Alarm For Electrical Building Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
34	LP-PSH-2302	Deluge Valve 2302 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
35	LP-PSH-2303	Deluge Valve 2303 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
36	LP-PSH-2304	Deluge Valve 2304 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
37	LP-PSH-2301	Deluge Valve 2301 Opened Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
38	LP-P-2301B	Diesel Pump Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
39	LP-P-2301A	Electrical Pump Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
40	LP-CO2-RE	CO2 Release Status Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		D05
41	PB-DV-2302	Deluge Valve 2302 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
42	PB-DV-2303	Deluge Valve 2303 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
43	PB-DV-2304	Deluge Valve 2304 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
44	PB-DV-2301	Deluge Valve 2301 Open Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
45	PB-P-2301B	Diesel Pump Start Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
46	PB-P-2301A	Electrical Pump Start Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
47	PB-CO2-CO	CO2 Release Command Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
48	PB-RST	RESET Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-		*	*	*	*	*	*	*	*					Conventional		D05
49	PB-ACK-HO	ACK HORN Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-	*	*	*	*	*	*	*	*					Conventional		D05	
50	PB-ACK	ACK Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	-	*	*	*	*	*	*	*	*					Conventional		D05	
51	PB-INHIBIT	Inhibit to maintenance Push button	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DI-NIS-R	F&G Matrix	FGS	-	24 VDC	19 PAIR x 1	*	*	*	*	*	*	*	*					Conventional	ADDED	D05
52	LP-INHIBIT	Inhibit to maintenance Lamp	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional	ADDED	D05
53	BUZZER	Audible Alarm	Extension of Existing Control Building	BK-GCS-PEDCO-120-IN-DT-0017	Unclassified	DO-NIS-R	FGS	F&G Matrix	-	24 VDC		*	*	*	*	*	*	*	*					Conventional		

 NISOC 053 - 073 - 9184		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								 شماره صفحه: 13 از 15										
		IO LIST FOR F&G SYSTEMS																		
		شماره پیمان	پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدارک	سریال			نسخه								
		BK	GCS	PEDCO	120	IN	LI	0004	D05											
SIGNALS TO FACP																				
ITEM	 TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE AREA CLASSIFICATION	I/O TYPE	FROM	TO	POWER SUPPLY	Cable Type	Marshalling Cabinet		ALARM					I/O TYPE (ADDR./CONV.)	REMARK	REV.
											CABINET NO.	TB NO.	ADD.	HH	H	L	LL			
FOR BUILDING																				
FACP LOOP 1																				
1	FACP	Output Port of Loop 1	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	MAC-1103	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
2	MAC-1102	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1102	SD-1104	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
3	SD-1104	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1104	SD-1108	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
4	SD-1103	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1103	SD-1110	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
5	MAC-1103	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1103	MAC-1102	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
6	SD-1102	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1102	SD-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
7	SD-1101	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1101	MAC-1102	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
8	SD-1121	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1121	SD-1122	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
9	SD-1122	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1122	SD-1123	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
10	SD-1123	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1123	SD-1124	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
11	SD-1124	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1124	SD-1112	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
12	SD-1135	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1135	SD-1136	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
13	SD-1136	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1136	SD-1115	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
14	SD-1128	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1128	MAC-1104	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
15	SD-1126	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1126	BL-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
16	SD-1108	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1108	SD-1110	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
17	SD-1110	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1110	SD-1112	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
18	SD-1112	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1112	SD-1114	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
19	SD-1114	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1114	SD-1115	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
20	SD-1115	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1115	MAC-1104	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
21	MAC-1104	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1104	BL-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
22	BL-1101	Bell	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BL-1101	BR-1103	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
23	BR-1103	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BR-1103	MAC-1105	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
24	MAC-1105	Manual Call Point	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	MAC-1105	SD-1118	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
25	SD-1118	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1118	SD-1120	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
26	SD-1120	Smoke Detector	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1120	HN-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
27	HN-1101	Horn	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	HN-1101	BR-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
28	BR-1101	Beacon - Red	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BR-1101	BB-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
29	BB-1101	Beacon - Blue	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BB-1101	BY-1101	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
30	BY-1101	Beacon - Yellow	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	BY-1101	FACP	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
FACP LOOP 2																				
1	FACP	Output Port of Loop 2	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1105	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
2	SD-1105	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1105	SD-1127	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
3	SD-1106	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1106	SD-1130	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
4	SD-1130	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1130	SD-1131	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
5	SD-1131	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1131	SD-1132	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
6	SD-1132	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1132	SD-1129	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	
7	SD-1129	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1129	SD-1134	24 VDC	Modbus Data			Note1					ADDRESSABLE	D05	

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف توکام گاز در ایستگاه جمع آوری بینک																			
		IO LIST FOR P&G SYSTEMS																			
		شماره پیمان	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه	شماره صفحه: 14 از 15										
	BK	GCS	PEDCO	120	IN	LI	0004	D05													
SIGNALS TO FACP																					
ITEM	TAG	DESCRIPTION	LOCATION	P&ID	SIGNAL TYPE / AREA CLASSIFICATION	I/O TYPE	FROM	TO	POWER SUPPLY	Cable Type	Marshalling Cabinet			ALARM					I/O TYPE (ADDR./CONV.)	REMARK	REV.
											CABINET NO.	TR NO.	ADD.	HH	H	L	LL				
8	SD-1134	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1134	SD-1133	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
9	SD-1133	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1133	SD-1128	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
10	SD-1128	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1128	SD-1127	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
11	SD-1127	Smoke Detector	Extension of Control Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1127	FACP	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
FACP LOOP 3																					
1	FACP	Output Port of Loop 3	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1107	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
2	SD-1107	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1107	SD-1109	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
3	SD-1109	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1109	SD-1111	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
4	SD-1111	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1111	SD-1113	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
5	SD-1113	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1113	SD-1116	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
6	SD-1116	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1116	SD-1117	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
7	SD-1117	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1117	SD-1119	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
8	SD-1119	Smoke Detector	Control Building-False Ceiling	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1119	FACP	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
FACP LOOP 4																					
1	FACP	Output Port of Loop 4	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	HN-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
2	HN-1201	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	HN-1201	BR-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
3	BR-1201	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BR-1201	BB-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
4	BB-1201	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BB-1201	BY-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
5	BY-1201	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	BY-1201	MAC-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
6	MAC-1201	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	MAC-1201	SD-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
7	SD-1201	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1201	SD-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
8	SD-1202	Smoke Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1202	MAC-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
9	MAC-1202	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	MAC-1202	FACP	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
FACP LOOP 5																					
1	FACP	Output Port of Loop 5	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1203	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
2	SD-1203	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	SD-1203	SD-1204	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
3	SD-1204	Smoke Detector	Extension of Existing Elect. Building-False Floor	BK-GCS-PEDCO-120-IN-PY-0006 (4/7)	Note 1	Note1	SD-1204	FACP	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
FACP LOOP 6																					
1	FACP	Output Port of Loop 6	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	HN-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
2	HN-1202	Horn	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	HN-1202	BR-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
3	BR-1202	Beacon - Red	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BR-1202	BB-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
4	BB-1202	Beacon - Blue	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BB-1202	BY-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
5	BY-1202	Beacon - Yellow	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	BY-1202	MAC-1203	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
6	MAC-1203	Manual Call Point	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	MAC-1203	LHD-1201	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
7	LHD-1201	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1201	LHD-1202	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
8	LHD-1202	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1202	LHD-1203	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
9	LHD-1203	Linear Heat Detector	Extension of Existing Elect. Building	BK-GCS-PEDCO-120-IN-PY-0006 (5/7)	Note 1	Note1	LHD-1203	FACP	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
FACP LOOP 7																					
1	FACP	Output Port of Loop 7	Extension of Control Building	BK-GCS-PEDCO-120-IN-PY-0006 (2/7)	Note 1	Note1	FACP	SD-1301	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05
2	SD-1301	Smoke Detector	CCTV Control Room	BK-GCS-PEDCO-120-IN-PY-0006 (6/7)	Note 1	Note1	SD-1301	SD-1302	24 VDC	Modbus Data			Note1						ADDRESSABLE		D05



053 - 073-9184

تکپداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



شماره صفحه: 15 از 15

I/O LIST FOR E&G SYSTEMS

از این رو،

0392

مسئله کاری

--	--

444

--	--

نسخه

SIGNALS TO FACP

[illegible]