



NISOC

نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک

I/O LIST FOR ESD SYSTEMS



شماره پیمان:

053 - 073 - 9184

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تسهیلات

120

رشته

IN

نوع مدرک

LI

سریال

0003

نسخه

D02

شماره صفحه: 1 از 12

طرح نگهداشت و افزایش تولید 27 مخزن

I/O LIST FOR ESD SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

D02	SEP.2022	AFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	MAY.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	JAN.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-708969

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



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سطح الارض

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I/O LIST FOR ESD SYSTEMS

شماره پیمان:

053 - 073 - 9184

پروژه

بسته کاری

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تسهیلات

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نوع مدرک

سریال

نسخه

شماره صفحه: 2 از 12

BK

GCS

PEDCO

120

IN

LI

0003

D02

REVISION RECORD SHEET

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3	X	X			
4	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 ESD SYSTEMS								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک		سریال
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0003	D02	شماره صفحه: 3 از 12

REFERENCES:

Symbol & Legend For PFD and P&ID

P&ID - Gas Compression Inlet Gas Pipeline (Binak)

P&ID - Gas Compression Inlet Gas Pipeline (Golkhari)

P&ID - Slug Catcher System

P&ID - Gas Compression Inlet Knock Out Drum

P&ID - 1st Stage Gas Compression Suction Drums

P&ID - 1st Stage Gas Compression Compressors

P&ID - 1st Stage Gas Compression Air Coolers

P&ID - 2nd Stage Gas Compression Suction Drums

P&ID - 2nd Stage Gas Compression Compressors

P&ID - 2nd Stage Gas Compression Air Coolers

P&ID - 2nd Stage Gas Compression Discharge Drum

P&ID - Gas Compression Dehydration Package

P&ID - Lean Glycol Storage Tank

P&ID - Instrument & Plant Air System

P&ID - Nitrogen Generation System

P&ID - Close Drain System

P&ID - Corrosion Inhibitor Package

P&ID - Methanol Injection Package

P&ID - LP Flare System

P&ID - Oily Water Sewer

P&ID - Fuel Gas System

P&ID - Diesel Oil System

P&ID - Potable Water System

P&ID - Glycol Sump Drum

P&ID - Fire Water Network

P&ID - Total Flooding System For Extension of Existing Elect. Building

P&ID - Gas Pipeline (to Siahmakan G.I. Station)

Data Sheets For ESD Console/F&G Matrix Panel

ESD Level Hierarchy

D02

BK-GCS-PEDCO-120-PR-PI-0001_D02

BK-GCS-PEDCO-120-PR-PI-0002_D04

BK-GCS-PEDCO-120-PR-PI-0003_D04

BK-GCS-PEDCO-120-PR-PI-0004_D04

BK-GCS-PEDCO-120-PR-PI-0005_D04

BK-GCS-PEDCO-120-PR-PI-0006_D04

BK-GCS-PEDCO-120-PR-PI-0007_D04

BK-GCS-PEDCO-120-PR-PI-0008_D04

BK-GCS-PEDCO-120-PR-PI-0009_D04

BK-GCS-PEDCO-120-PR-PI-0010_D04

BK-GCS-PEDCO-120-PR-PI-0011_D04

BK-GCS-PEDCO-120-PR-PI-0012_D04

BK-GCS-PEDCO-120-PR-PI-0013_D04

BK-GCS-PEDCO-120-PR-PI-0014_D04

BK-GCS-PEDCO-120-PR-PI-0015_D04

BK-GCS-PEDCO-120-PR-PI-0016_D04

BK-GCS-PEDCO-120-PR-PI-0017_D04

BK-GCS-PEDCO-120-PR-PI-0018_D04

BK-GCS-PEDCO-120-PR-PI-0019_D04

BK-GCS-PEDCO-120-PR-PI-0020_D04

BK-GCS-PEDCO-120-PR-PI-0021_D04

BK-GCS-PEDCO-120-PR-PI-0022_D04

BK-GCS-PEDCO-120-PR-PI-0023_D04

BK-GCS-PEDCO-120-PR-PI-0024_D04

BK-GCS-PEDCO-120-PR-PI-0025_D04

BK-GCS-PEDCO-120-SA-PI-0001_D01

BK-GCS-PEDCO-120-SA-PI-0002_D02

BK-PPL-PEDCO-320-PR-PI-0001_D03

BK-GCS-PEDCO-120-IN-DT-0017_D00

BK-GCS-PEDCO-120-IN-DG-0003_D00

NOTES:

NOTE 1 : ALL OF ANALOGUE TRANSMITTER SHALL BE CONSIDERED INTRINSICALLY SAFE (EEXIA) & ALL OF DIGITAL TRANSMITTER ARE NON INTRINSICALLY SAFE (EEXD).

NOTE 2 : I/O CARDS & ACCESSORIES SHALL BE SELECTED IN ACCORDANCE WITH " SPECIFICATION FOR CONTROL SYSTEM".

NOTE 3 : ESD EQUIPMENT & ALL OF EQUIPMENT THAT IS ASSIGNED IN A CONTROL LOOP, ARE REDUNDANT.

NOTE 4 : ALL I/Os REQUIRED FOR DEHYDRATION PACKAGE (PK-2101) WILL BE ADDED TO THIS SUMMARY AS PER VENDOR DATA LATER.

NOTE 5 : ALL I/Os REQUIRED FOR ESD SHALL BE SHOWN IN DCS BY SERIAL LINK.



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سطح الارض

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I/O LIST FOR ESD SYSTEMS

شماره پیمان:
053 - 073 - 9184

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
D02	0003	LI	IN	120	PEDCO	GCS	BK

شماره صفحه: 4 از 12

ESD 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)	60	72	NOTES 1,2,3,4
2	AI-IS-NR	IS	NR	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3,4
3	AO-IS-R	IS	R	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	0	0	NOTES 1,2,3,4
4	AO-IS-NR	IS	NR	ANALOGUE OUTPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3,4
5	DI-NIS-R	NIS	R	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	46	56	NOTES 1,2,3,4
6	DI-NIS-NR	NIS	NR	DIGITAL INPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3,4
7	DO-NIS-R	NIS	R	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, REDUNDANT)	91	110	NOTES 1,2,3,4
8	DO-NIS-NR	NIS	NR	DIGITAL OUTPUT HARDWARE SIGNAL (NON INTRINSICALLY SAFE, NON-REDUNDANT)	0	0	NOTES 1,2,3,4

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

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شماره بیان			I/O LIST FOR ESD SYSTEMS																			
			پروژه	بنه کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه												
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0003	D02												
I/O List For ESD System														شماره صفحه: 5 از 12								
ITEM	TAG	D02 DESCRIPTION	SERVICE	P&ID	D02 I/O TYPE	FROM	TO	SYSTEM CABINET				Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.	
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			INDSTA
1	ESZC-2101	ESDV-Limit-Switch-Close	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
2	ESZO-2101	ESDV-Limit-Switch-Close	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
3	ESOV-2101	Solenoid Valve	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
4	ESZC-2102	ESDV-Limit-Switch-Close	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
5	ESZO-2102	ESDV-Limit-Switch-Close	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
6	ESOV-2102	Solenoid Valve	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
7	PIT-2111	Pressure Indicator Transmitter	From Gas Pig Receiver (PR-2102)	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		D02 MODIFIED
8	LIT-2112	Level Indicator Transmitter	V-2104	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		
9	ESOV-2111	Solenoid Valve	From V-2104 / To Degassing Vessel (V-2106)	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		D02 MODIFIED
10	LIT-2115	Level Indicator Transmitter	TK-2101	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		D02 MODIFIED
11	PIT-2115	Pressure Indicator Transmitter	FROM P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		
12	PIT-2114A	Pressure Indicator Transmitter	TO P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		D02 MODIFIED
13	PIT-2114B	Pressure Indicator Transmitter	TO P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		D02 MODIFIED
14	PIT-2116A	Pressure Indicator Transmitter	CDH-112-0012-CN05-3"-PT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		D02 MODIFIED
15	PIT-2116B	Pressure Indicator Transmitter	CDH-112-0013-CN05-3"-PT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X		D02 MODIFIED
16	ESD-P-2111-A	Trip Command	P-2101A	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*					X		
17	ESD-P-2111-B	Trip Command	P-2101B	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*					X		
18	ESZC-2112	ESDV-Limit-Switch-Close	FROM P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
19	ESZO-2112	ESDV-Limit-Switch-Close	FROM P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X			D02 MODIFIED
20	ESOV-2112	Solenoid Valve	FROM P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
21	ESOV-2113	Solenoid Valve	From V-2105 /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0005	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
22	LIT-2117	Level Indicator Transmitter	(V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X		
23	LIT-2118	Level Indicator Transmitter	(V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		D02 MODIFIED
24	PIT-2116	Pressure Indicator Transmitter	FROM SLUG CATCHER DRUM (V-2104) To V-2105	BK-GCS-PEDCO-120-PR-PI-0005	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X		
25	ESOV-2121A	Solenoid Valve	From 1ST Stage Gas Compression Suction Manifold To V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
26	LIT-2122A	Level Indicator Transmitter	V-2101-A	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		
27	ESOV-2122A	Solenoid Valve	From V-2101-A To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
28	ESOV-2121B	Solenoid Valve	FROM 1ST STAGE GAS COMPRESSION SUCTION MANIFOLD TO V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
29	LIT-2122B	Level Indicator Transmitter	V-2101-B	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		
30	ESOV-2122B	Solenoid Valve	From V-2101-B To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
31	ESOV-2121C	Solenoid Valve	From 1ST Stage Gas Compression Suction Manifold To V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
32	LIT-2122C	Level Indicator Transmitter	V-2101-C	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		
33	ESOV-2122C	Solenoid Valve	To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X		
34	PIT-2122A	Pressure Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101A) To C-2101-A	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X		
35	PIT-2125A	Pressure Indicator Transmitter	Outlet Comp. C-2101-A / TO 1ST STAGE AIR COOLER (AE-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X		
36	TIT-2124A	Temperature Indicator Transmitter	Outlet Comp. C-2101-A / TO 1ST STAGE AIR COOLER (AE-2101A)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	AI-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X		

 NISOC				نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																			
شماره پیمان: 053 - 073 – 9184				I/O LIST FOR ESD SYSTEMS								نسخه: 0003											
				پروژه BK		سته کاری GCS		صادر کننده PEDCO		تجهیزات 120										رشته IN		نوع مدرک LI	
I/O List For ESD System																			شماره صفحه: 6 از 12				
ITEM	TAG	DESCRIPTION	SERVICE	P&ID	I/O TYPE	FROM	TO	SYSTEM CABINET				Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.		
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			IND/STA	COM.
37	ESDR2A-C-2101-A	Trip Command With Depressurizing	inlet Comp. C-2101-A (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*				X		
38	ESDR2-C-2101-A	Trip Command Without Depressurizing	inlet Comp. C-2101-A (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*				X		
39	ESD2A-C-2101-A	Trip Alarm With Depressurizing	inlet Comp. C-2101-A (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
40	ESD2-C-2101-A	Trip Alarm Without Depressurizing	inlet Comp. C-2101-A (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
41	PIT-2122B	Pressure Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101B) To C-2101-B	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*		X	X		X	
42	PIT-2125B	Pressure Indicator Transmitter	Outlet Comp. C-2101-B / TO 1ST STAGE AIR COOLER (AE-2101B)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X		
43	TIT-2124B	Temperature Indicator Transmitter	Outlet Comp. C-2101-B / TO 1ST STAGE AIR COOLER (AE-2101B)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X		
44	ESDR2A-C-2101-B	Trip Command With Depressurizing	inlet Comp. C-2101-B (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*					X	
45	ESDR2-C-2101-B	Trip Command Without Depressurizing	inlet Comp. C-2101-B (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*					X	
46	ESD2A-C-2101-B	Trip Alarm With Depressurizing	inlet Comp. C-2101-B (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
47	ESD2-C-2101-B	Trip Alarm Without Depressurizing	inlet Comp. C-2101-B (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
48	PIT-2122C	Pressure Indicator Transmitter	From 1ST Stage Gas Comp. Suction Drum (V-2101C) To C-2101-C	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*		X	X		X	
49	PIT-2125C	Pressure Indicator Transmitter	Outlet Comp. C-2101-C / TO 1ST STAGE AIR COOLER (AE-2101C)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X		
50	TIT-2124C	Temperature Indicator Transmitter	Outlet Comp. C-2101-C / TO 1ST STAGE AIR COOLER (AE-2101C)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X		
51	ESDR2A-C-2101-C	Trip Command With Depressurizing	inlet Comp. C-2101-C (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*					X	
52	ESDR2-C-2101-C	Trip Command Without Depressurizing	inlet Comp. C-2101-C (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DO-NIS-R	ESD	UCP-C-2101	*	*	*	*	*	*	*	*	*	*					X	
53	ESD2A-C-2101-C	Trip Alarm With Depressurizing	inlet Comp. C-2101-C (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
54	ESD2-C-2101-C	Trip Alarm Without Depressurizing	inlet Comp. C-2101-C (UCP-C-2101)	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DI-NIS-R	UCP-C-2101	ESD	*	*	*	*	*	*	*	*	*	*				X		
55	VSHH-2121A	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
56	VSHH-2122A	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
57	ESD-AE-2101-A-1	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
58	ESD-AE-2101-A-2	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
59	TIT-2125A	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-A)	BK-GCS-PEDCO-120-PR-PI-0008 (1 of 3)	AH-S-R	FIELD	DCS	*	*	*	*	*	*	*	*	*	X				X		
60	VSHH-2121B	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
61	VSHH-2122B	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
62	ESD-AE-2101-B-1	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
63	ESD-AE-2101-B-2	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
64	TIT-2125B	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-B)	BK-GCS-PEDCO-120-PR-PI-0008 (2 of 3)	AH-S-R	FIELD	DCS	*	*	*	*	*	*	*	*	*	X				X		
65	VSHH-2121C	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
66	VSHH-2122C	Vibration Switch	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	*				X		
67	ESD-AE-2101-C-1	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
68	ESD-AE-2101-C-2	Trip Command	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*	*					X	
69	TIT-2125C	Temperature Indicator Transmitter	FROM 1ST Stage Gas Compressor Air Coolers (AE-2101-C)	BK-GCS-PEDCO-120-PR-PI-0008 (3 of 3)	AH-S-R	FIELD	DCS	*	*	*	*	*	*	*	*	*	X				X		
70	LIT-2132A	Level Indicator Transmitter	V-2102-A	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X			X	X		
71	BSOV-2134A	Solenoid Valve	From V-2102-A To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	
72	ESOV-2131A	Solenoid Valve	From V-2102-A To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	
73	LIT-2132B	Level Indicator Transmitter	V-2102-B	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X			X	X		
74	BSOV-2134B	Solenoid Valve	From V-2102-B To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	
75	ESOV-2131B	Solenoid Valve	From V-2102-B To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	
76	LIT-2132C	Level Indicator Transmitter	V-2102-C	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X			X	X		
77	BSOV-2134C	Solenoid Valve	From V-2102-C To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	
78	ESOV-2131C	Solenoid Valve	From V-2102-C To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*	*					X	

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																							
																			I/O LIST FOR ESD SYSTEMS						
																			شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک
053 - 073 – 9184		BK	GCS	PEDCO	120	IN	LI	0003	D02																
I/O List For ESD System																					شماره صفحه: 7 از 12				
ITEM	TAG	 DESCRIPTION	SERVICE	P&ID		I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.		
									CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	INDSTA			COM.	
79	PIT-2131A	Pressure Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102A) To C-2102-A	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*				X	X				
80	PIT-2134A	Pressure Indicator Transmitter	from V-2102A To 2ND Stage Air Cooler (AE-2102A)	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
81	TIT-2134A	Temperature Indicator Transmitter	from V-2102A To 2ND Stage Air Cooler (AE-2102A)	BK-GCS-PEDCO-120-PR-PI-0010 (1 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
82	PIT-2131B	Pressure Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102B) To C-2102-B	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*				X	X				
83	PIT-2134B	Pressure Indicator Transmitter	from V-2102B To 2ND Stage Air Cooler (AE-2102B)	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
84	TIT-2134B	Temperature Indicator Transmitter	from V-2102B To 2ND Stage Air Cooler (AE-2102B)	BK-GCS-PEDCO-120-PR-PI-0010 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
85	PIT-2131C	Pressure Indicator Transmitter	From 2ND Stage Gas Comp. Suction Drum (V-2102C) To C-2102-C	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*				X	X				
86	PIT-2134C	Pressure Indicator Transmitter	from V-2102C To 2ND Stage Air Cooler (AE-2102C)	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
87	TIT-2134C	Temperature Indicator Transmitter	from V-2102C To 2ND Stage Air Cooler (AE-2102C)	BK-GCS-PEDCO-120-PR-PI-0010 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
88	ESD-AE-2102-A-1	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
89	ESD-AE-2102-A-2	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
90	VSHH-2131A	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
91	VSHH-2132A	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
92	TIT-2136A	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-A)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
93	BSOV-2132A	Solenoid Valve	From AE-2102-A To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
94	ESOV-2133A	Solenoid Valve	From AE-2102-A To GS Compression Discharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
95	ESD-AE-2102-B-1	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
96	ESD-AE-2102-B-2	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
97	VSHH-2131B	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
98	VSHH-2132B	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
99	TIT-2136B	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-B)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
100	BSOV-2132B	Solenoid Valve	From AE-2102-B To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
101	ESOV-2133B	Solenoid Valve	From AE-2102-B To GS Compression Discharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
102	ESD-2131C	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
103	ESD-2132C	Trip Command	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			
104	ESD-AE-2102-C-1	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
105	ESD-AE-2102-C-2	Vibration Switch	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X				
106	TIT-2136C	Temperature Indicator Transmitter	FROM 2ND Stage Gas Compressor Air Coolers (AE-2102-C)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X				X				
107	BSOV-2132C	Solenoid Valve	From AE-2102-C To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
108	ESOV-2133C	Solenoid Valve	From AE-2102-B To GS Compression Discharge Drum (V-2103)	BK-GCS-PEDCO-120-PR-PI-0011 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
109	BSOV-2141	Solenoid Valve	FROM METHANOL HEADER To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
110	XZSC-2142	ESDV-Limit Switch Close	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
111	XZSO-2142	ESDV-Limit Switch Close	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
112	ESOV-2142	Solenoid Valve	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
113	XZSC-2143	ESDV-Limit Switch Close	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
114	XZSO-2143	ESDV-Limit Switch Close	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DI-NIS-R	FIELD	ESD	*	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
115	ESOV-2143	Solenoid Valve	From V-2103 To Dehydration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
116	LIT-2142	Level Indicator Transmitter	V-2103	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*	X			X	X				
117	ESOV-2144	Solenoid Valve	From V-2103 To TO CLOSED DRAIN HEADER	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
118	BSOV-2151	Solenoid Valve	DEHYDRATION PACKAGE (PK-2101) To LP Flare Header	BK-GCS-PEDCO-120-PR-PI-0013 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*	*						X			
119	LIT-2161	Level Indicator Transmitter	TK-2102	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AH-S-R	FIELD	ESD	*	*	*	*	*	*	*	*	*				X	X				
120	ESD-P-2161-A	Trip Command	P-2103A	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*	*						X			

 NISOC			تکده‌داشت و افزایش تولید میدان نفتی بینک سطح الارض																				
شماره پیمان:			I/O LIST FOR ESD SYSTEMS																				
			پروژه	بنیه کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه													
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0003	D02													
I/O List For ESD System																	شماره صفحه: 8 از 12						
ITEM	TAG	 D02 DESCRIPTION	SERVICE	P&ID	 D02 I/O TYPE	FROM	TO	SYSTEM CABINET				Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.		
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			IND/STA	COM.
121	ESD-P-2161-B	Trip Command	P-2103B	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*					X			
122	EZSC-2131	ESDV-Limit-Switch-Close	Air-Compressor-Package (PK-C-2203 A/B) / AIR-DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DI-NIS-R	FIELD	ESD	1	1	1	1	1	1	1	1					X		D02 MODIFIED	
123	EZSO-2131	ESDV-Limit-Switch-Close	Air-Compressor-Package (PK-C-2203 A/B) / AIR-DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DI-NIS-R	FIELD	ESD	1	1	1	1	1	1	1	1					X		D02 MODIFIED	
124	ESOV-2131	Solenoid-Valve	Air-Compressor-Package (PK-C-2203 A/B) / AIR-DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	ESD	FIELD	1	1	1	1	1	1	1	1						X		D02 MODIFIED
125	PIT-2202	Pressure Indicator Transmitter	Air Compressor Package (PK-C-2203 A/B) / AIR DRYER PACKAGE (PK-DR-2203 A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X				
126	ESD-PK-C-2203 A	Trip Command	Air Compressor Package (PK-C-2203 A)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
127	ESD-PK-C-2203 B	Trip Command	Air Compressor Package (PK-C-2203 B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
128	PT-2201A	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X				
129	PT-2201B	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X				
130	PT-2201C	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X				
131	PT-2211A	Pressure-Transmitter	Air-Compressor-Package (PK-C-2204) NITROGEN-RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1				X	X			D02 MODIFIED
132	PT-2211B	Pressure-Transmitter	Air-Compressor-Package (PK-C-2204) NITROGEN-RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1				X	X			D02 MODIFIED
133	PT-2211C	Pressure-Transmitter	Air-Compressor-Package (PK-C-2204) NITROGEN-RECEIVER (V-2204)	BK-GCS-PEDCO-120-PR-PI-0016 (1 of 1)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1				X	X			D02 MODIFIED
134	PIT-2151	Pressure Indicator Transmitter	NIT-112-0024-AN01-2"-PT	BK-GCS-PEDCO-120-PR-PI-0016	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1			X	X				D02 MODIFIED
135	LI-2222	Level-Indicator-Transmitter	V-2202	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1				X	X			D02 MODIFIED
136	PIT-2222A	Pressure Indicator Transmitter	CDH-112-0032-AN07-2"-PT	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1			X	X				D02 MODIFIED
137	PIT-2222B	Pressure Indicator Transmitter	CDH-112-0033-AN07-2"-PT	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AI-IS-R	FIELD	ESD	1	1	1	1	1	1	1	1			X	X				D02 MODIFIED
138	ESD-P-2211-A	Trip Command	P-2202-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
139	ESD-P-2211-B	Trip Command	P-2202-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
140	ESD-P-2222-A	Trip Command	P-2203-A	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
141	ESD-P-2222-B	Trip Command	P-2203-B	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		
142	ESD-PK-2207	Trip Command	Corrosion Inhibitor Package (PK-TK-2207)/CORROSION INHIBITOR PACKAGE (PK-2207 A/B/C/D)	BK-GCS-PEDCO-120-PR-PI-0018	DO-NIS-R	ESD	PK-2207	*	*	*	*	*	*	*	*						X		

 NISOC			تکده‌داشت و افزایش تولید میدان نفتی بینک سطح الارض					 سازمان استاندارد و اندازه‌گیری 																	
			احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																						
			I/O LIST FOR ESD SYSTEMS																						
شماره پیمان:			پروژه	سنة کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه															
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0003	D02															
I/O List For ESD System																									
شماره صفحه: 9 از 12																									
ITEM	TAG	D02	DESCRIPTION	SERVICE	P&ID	D02	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet			ALARM				FUNCTION		REMARK	REV.
										CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	INDSTA	COM.		
143	ESD-PK-2208		Trip Command	Methanol Injection Tank (PK-TK-2208)	BK-GCS-PEDCO-120-PR-PI-0018	DO-NIS-R	ESD	PK-2208		*	*	*	*	*	*	*	*	*					X		D02 MODIFIED
144	LALL-2244		Level Alarm Low Low	Methanol Injection Tank (PK-TK-2208)	BK-GCS-PEDCO-120-PR-PI-0018	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*	*			X	X			D02 MODIFIED
145	ESD-P-2251A		Trip Command	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*	*					X		
146	ESD-P-2251B		Trip Command	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*	*					X		
147	LIT-2252A		Level Indicator Transmitter	V-2201	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*	X				X			
148	LIT-2252B		Level Indicator Transmitter	V-2201	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*	X				X			
149	LIT-2252C		Level Indicator Transmitter	V-2201	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*	X				X			
150	PIT-2251A		Pressure Indicator Transmitter	P-2201 A	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*			X	X				D02 MODIFIED
151	PIT-2251B		Pressure Indicator Transmitter	P-2201 B	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*			X	X				D02 MODIFIED
152	LIT-2253		Level Indicator Transmitter	V-2201	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*			X	X				
153	ESOV-2272		Solenoid Valve	From Inlet K.O. Drum (V-2105) To V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DO-NIS-R	ESD	FIELD		*	*	*	*	*	*	*	*						X		
154	LIT-2272		Level Indicator Transmitter	V-2205	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*	X			X	X			
155	ESOV-2271		Solenoid Valve	From Inlet K.O. Drum (V-2105) To TO CLOSED DRAIN HEADER	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	DO-NIS-R	ESD	FIELD		*	*	*	*	*	*	*	*						X		
156	PIT-2281		Pressure Indicator Transmitter	P-2206	BK-GCS-PEDCO-120-PR-PI-0023	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*			X	X				D02 MODIFIED
157	ESD-P-2206		Trip Command	P-2206	BK-GCS-PEDCO-120-PR-PI-0023	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*						X		D02 MODIFIED
158	ESOV-3101		Solenoid Valve	ESDV-3101	BK-PPL-PEDCO-320-PR-PI-0001	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*						X		D02 MODIFIED
159	PIT-3201A		Pressure Indicator Transmitter	From DEHYDRATION (PK-2101) To PL-320	BK-PPL-PEDCO-320-PR-PI-0001	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*				X	X			
160	PIT-3201B		Pressure Indicator Transmitter	From DEHYDRATION (PK-2101) To PL-320	BK-PPL-PEDCO-320-PR-PI-0001	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*				X	X			
161	PIT-3201C		Pressure Indicator Transmitter	From DEHYDRATION (PK-2101) To PL-320	BK-PPL-PEDCO-320-PR-PI-0001	AI-S-R	FIELD	ESD		*	*	*	*	*	*	*	*				X	X			
162	ESDR 0-UPS		UPS FAILURE	CONTROL ROOM	—	DI-NIS-R	DCS	ESD		*	*	*	*	*	*	*	*						X		
163	ESDR 0-F&G		HVAC INTAKE (COMMAND FROM F&G)	CONTROL ROOM	—	DI-NIS-R	F&G	ESD		*	*	*	*	*	*	*	*						X		
164	ESD 0-EL1		EMERGENCY + NORMAL POWER ISOLATION	CONTROL ROOM	—	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*							X	
165	ESD 0-EL2		UPS BATTERY ISOLATION	CONTROL ROOM	—	DO-NIS-R	ESD	UPS CHARGER		*	*	*	*	*	*	*	*							X	
166	ESDR 1A-F&G		CONFIRMED FLAMMABLE GAS IN PROCESS AREA (COMMAND FROM F&G)	CONTROL ROOM	—	DI-NIS-R	F&G	ESD		*	*	*	*	*	*	*	*						X		
167	ESD 1A-EL1		POWER ISOLATION IN PROCESS AREA	CONTROL ROOM	—	DO-NIS-R	ESD	IRP		*	*	*	*	*	*	*	*							X	
168	ESDR 1-EL1		NETWORK POWER FAILURE SWITCH ACTIVATION	CONTROL ROOM	—	DI-NIS-R	IRP	ESD		*	*	*	*	*	*	*	*						X		
169	ESDR 1-DC		DC CHARGER FAILURE	CONTROL ROOM	—	DI-NIS-R	UPS CHARGER	ESD		*	*	*	*	*	*	*	*						X		
170	ESDR 1-PCS		PCS FAILURE	CONTROL ROOM	—	DI-NIS-R	DCS	ESD		*	*	*	*	*	*	*	*						X		
171	ESDR 1-FLR		FLARE IGNITION FAILURE	CONTROL ROOM	—	DI-NIS-R	DCS	ESD		*	*	*	*	*	*	*	*						X		
172	ESD 2A-F&G-A		CONFIRMED FIRE IN FIRE ZONE AREA (COMMAND FROM F&G)- TRAIN A	CONTROL ROOM	—	DI-NIS-R	F&G	ESD		*	*	*	*	*	*	*	*						X		

 NISOC			تجهادشست 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 ESD SYSTEMS																					
			پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال											نسخه				
			BK	GCS	PEDCO	120	IN	LI	0003	D02														
I/O List For ESD System																							شماره صفحه: 10 از 12	
ITEM	TAG	 DESCRIPTION	SERVICE	P&ID	 I/O TYPE	FROM	TO	SYSTEM CABINET				Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.			
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL			IND/STA	COM.	
173	ESD0-LAMP	TOTAL PLANT SHUT DOWN WITH AUTOMATIC DEPRESSURIZING (ESD0)	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
174	ESD1A-LAMP	PROCESS EMERGENCY SHUT DOWN WITH DEPRESSURIZING (ESD1A)	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
175	ESD2A-A-LAMP	TRAIN A SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
176	ESD2A-B-LAMP	TRAIN B SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
177	ESD2A-C-LAMP	TRAIN C SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
178	LAMP-ESD-INH	ESD INHIBIT LAMP	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
179	LAMP-ESD-RST	ESD RESET LAMP	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
180	ESD1-LAMP	PROCESS EMERGENCY SHUT DOWN WITHOUT DEPRESSURIZING (ESD1)	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
181	ESD2-A-LAMP	TRAIN A SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
182	ESD2-B-LAMP	TRAIN B SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
183	ESD2-C-LAMP	TRAIN C SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DI-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X			
184	ESD 3-A-LAMP	COMPRESSOR C-2101-A SHUTDOWN LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
185	ESD 3-B-LAMP	COMPRESSOR C-2101-B SHUTDOWN LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
186	ESD 3-C-LAMP	COMPRESSOR C-2101-C SHUTDOWN LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X		D02 MODIFIED		
187	ESD0-PB	TOTAL PLANT SHUT DOWN WITH AUTOMATIC DEPRESSURIZING (ESD0) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
188	ESD1A-PB	PROCESS EMERGENCY SHUT DOWN WITH DEPRESSURIZING (ESD1A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
189	ESD2A-A-PB	TRAIN A SHUT DOWN WITH DEPRESSURIZING (ESD2A-A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
190	ESD2A-B-PB	TRAIN B SHUT DOWN WITH DEPRESSURIZING (ESD2A-B) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
191	ESD2A-C-PB	TRAIN C SHUT DOWN WITH DEPRESSURIZING (ESD2A-C) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
192	ESD-INH	ESD INHIBIT SELECTOR SWITCH	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
193	ESD-RST	RESET P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
194	ESD1-PB	PROCESS EMERGENCY SHUT DOWN WITHOUT DEPRESSURIZING (ESD1) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
195	ESD2-A-PB	TRAIN A SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				
196	ESD2-B-PB	TRAIN B SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-B) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*					X				

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																						
شماره پیمان:			I/O LIST FOR ESD SYSTEMS																						
			پروژه	بنیه کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه															
053 - 073 – 9184			BK	GCS	PEDCO	120	IN	LI	0003	D02															
I/O List For ESD System																						شماره صفحه: 11 از 12			
ITEM	TAG	DESCRIPTION	SERVICE	P&ID	DESCRIPTION	I/O TYPE	FROM	TO	SYSTEM CABINET					Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.		
									CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TB NO.	ADD.	HH	H	L	LL	IND/STA			COM.	
197	ESD2-C-PB	TRAIN C SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-C) P.B.	ESD CONSOL	—		DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*							X		
198	ESD 3-A-PB	COMPRESSOR C-2101-A SHUTDOWN PUSH BOTTOM	ESD CONSOL	—		DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*							X	D02 MODIFIED	
199	ESD 3-B-PB	COMPRESSOR C-2101-B SHUTDOWN PUSH BOTTOM	ESD CONSOL	—		DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*							X	D02 MODIFIED	
200	ESD 3-C-PB	COMPRESSOR C-2101-C SHUTDOWN PUSH BOTTOM	ESD CONSOL	—		DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*							X	D02 MODIFIED	
201	ESDI 0-EX	EXISTING SYSTEM ESD 0 status	EXISTING SYSTEM	—		DI-NIS-R	EXISTING SYSTEM	ESD	*	*	*	*	*	*	*	*							X	IF REQUIRED	
202	ESDI 1-EX	EXISTING SYSTEM ESD 1 status	EXISTING SYSTEM	—		DI-NIS-R	EXISTING SYSTEM	ESD	*	*	*	*	*	*	*	*							X	IF REQUIRED	
203	ESDI 1A-EX	EXISTING SYSTEM ESD 1A status	EXISTING SYSTEM	—		DI-NIS-R	EXISTING SYSTEM	ESD	*	*	*	*	*	*	*	*							X	IF REQUIRED	
204	ESDI 0- NEW	ESD 0 status	CONTROL ROOM	—		DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
205	ESDI 1- NEW	ESD 1 status	CONTROL ROOM	—		DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
206	ESDI 1A- NEW	ESD 1A status	CONTROL ROOM	—		DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
207	ESDI 0-DCS	ESD 0 status in DCS	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
208	ESDI 1-DCS	ESD 1 status in DCS	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
209	ESDI 1A-DCS	ESD 1A status in DCS	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
210	ESDI 2-A-DCS	ESD 2 status in DCS (TRAIN A)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
211	ESDI 2-B-DCS	ESD 2 status in DCS (TRAIN B)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
212	ESDI 2-C-DCS	ESD 2 status in DCS (TRAIN C)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
213	ESDI 2A-A-DCS	ESD 2A status in DCS (TRAIN A)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
214	ESDI 2A-B-DCS	ESD 2A status in DCS (TRAIN B)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
215	ESDI 2A-C-DCS	ESD 2A status in DCS (TRAIN C)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
216	ESDI 3-A-DCS	ESD 3 status in DCS (TRAIN A)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
217	ESDI 3-B-DCS	ESD 3 status in DCS (TRAIN B)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
218	ESDI 3-C-DCS	ESD 3 status in DCS (TRAIN C)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
219	ESDI 3A-A-DCS	ESD 3A status in DCS (TRAIN A)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED
220	ESDI 3A-B-DCS	ESD 3A status in DCS (TRAIN B)	CONTROL ROOM	—		DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED



احداث ردیف تراکم گاز در ایستگاه جمع آوری پینک



I/O LIST FOR ESD SYSTEMS

053 - 073-9184

2340

939

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ماده کتدره

تسهيلات

453

توہم و بدو کی

163

نہج

I/O List For ESD System

شماره صفحه: 12 از 12

ITEM	TAG	DESCRIPTION	SERVICE	P&ID	I/O TYPE	FROM	TO	SYSTEM CABINET				Marshalling Cabinet		ALARM				FUNCTION		REMARK	REV.		
								CABINET NO.	RACK	SLOT	CH.	ADD.	CABINET NO.	TR NO.	ADD.	HH	H	L	LL			IND/STA	COM.
221	ESD1 3A-C-DCS	ESD 3A status in DCS (TRAIN C)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*							X	IF REQUIRED	D02 MODIFIED