

 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	نسخه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	IN	LI	0003	D02
شماره صفحه: ۱ از ۱۱								

طرح نگهداشت و افزایش تولید ۲۷ مخزن

I/O LIST FOR ESD SYSTEMS

نگهداشت و افزایش تولید میدان نفتی بینک

D02	DEC.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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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:

۰۵۳ - ۰۷۳ - ۹۱۸۴

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

شماره صفحه: ۱۱ از ۱۱

REVISION RECORD SHEET

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3	X	X			
4	X	X	X	X	
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تنگداشت 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	نسخه	شماره صفحه: ۱۱ از ۳
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	PEDCO	120	IN	LI	0003	D02	

REFERENCES:

Symbol & Legend For PFD and P&ID	BK-GCS-PEDCO-120-PR-PI-0001_D02
P&ID - Gas Compression Inlet Gas Pipeline (Binak)	BK-GCS-PEDCO-120-PR-PI-0002_D04
P&ID - Gas Compression Inlet Gas Pipeline (Golkhari)	BK-GCS-PEDCO-120-PR-PI-0003_D04
P&ID - Slug Catcher System	BK-GCS-PEDCO-120-PR-PI-0004_D04
P&ID - Gas Compression Inlet Knock Out Drum	BK-GCS-PEDCO-120-PR-PI-0005_D04
P&ID - 1st Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0006_D04
P&ID - 1st Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0007_D04
P&ID - 1st Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0008_D04
P&ID - 2nd Stage Gas Compression Suction Drums	BK-GCS-PEDCO-120-PR-PI-0009_D04
P&ID - 2nd Stage Gas Compression Compressors	BK-GCS-PEDCO-120-PR-PI-0010_D04
P&ID - 2nd Stage Gas Compression Air Coolers	BK-GCS-PEDCO-120-PR-PI-0011_D04
P&ID - 2nd Stage Gas Compression Discharge Drum	BK-GCS-PEDCO-120-PR-PI-0012_D04
P&ID - Gas Compression Dehydration Package	BK-GCS-PEDCO-120-PR-PI-0013_D04
P&ID - Lean Glycol Storage Tank	BK-GCS-PEDCO-120-PR-PI-0014_D04
P&ID - Instrument & Plant Air System	BK-GCS-PEDCO-120-PR-PI-0015_D04
P&ID - Nitrogen Generation System	BK-GCS-PEDCO-120-PR-PI-0016_D04
P&ID - Close Drain System	BK-GCS-PEDCO-120-PR-PI-0017_D04
P&ID - Corrosion Inhibitor Package	BK-GCS-PEDCO-120-PR-PI-0018_D04
P&ID - Methanol Injection Package	BK-GCS-PEDCO-120-PR-PI-0019_D04
P&ID - LP Flare System	BK-GCS-PEDCO-120-PR-PI-0020_D04
P&ID - Oily Water Sewer	BK-GCS-PEDCO-120-PR-PI-0021_D04
P&ID - Fuel Gas System	BK-GCS-PEDCO-120-PR-PI-0022_D04
P&ID - Diesel Oil System	BK-GCS-PEDCO-120-PR-PI-0023_D04
P&ID - Potable Water System	BK-GCS-PEDCO-120-PR-PI-0024_D04
P&ID - Glycol Sump Drum	BK-GCS-PEDCO-120-PR-PI-0025_D04
P&ID - Fire Water Network	BK-GCS-PEDCO-120-SA-PI-0001_D01
P&ID - Total Flooding System For Extension of Existing Elect. Building	BK-GCS-PEDCO-120-SA-PI-0002_D02
P&ID - Gas Pipeline (to Siahmakan G.I. Station)	BK-PPL-PEDCO-320-PR-PI-0001_D03
Data Sheets For ESD Console/F&G Matrix Panel	BK-GCS-PEDCO-120-IN-DT-0017_D00
ESD Level Hierarchy	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

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



I/O LIST FOR ESD SYSTEMS

شماره پیمان:

۰۵۳ - ۰۷۳ - ۹۱۸۴

پروژه

BK

بسته کاری

GCS

صادرکننده

PEDCO

تسهیلات

120

رشته

IN

نوع مدرک

LI

سریال

0003

نسخه

D02

شماره صفحه: ۴ از ۱۱

ESD I/O SUMMERY COUNT

D03

ITEM	I/O TYPE	IS/NIS	R/NR	DESCRIPTION	QTY OF SIGNALS	QTY (+20% SPARE)	REMARKS
1	AI-IS-R	IS	R	ANALOGUE INPUT HARDWARE SIGNAL (INTRINSICALLY SAFE, REDUNDANT)	59	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)	38	46	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)	89	107	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

Estimated I/Os (30 No.) for Dehydration package to be considered in addition to above summary (Note4)

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 پیمان: ۰۵۴ - ۰۳۴ - ۹۱۸۶				I/O LIST FOR ESD SYSTEMS							شماره صفحه: ۵ از ۱۲														
شماره پیمان:				پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه														
				BK	GCS	PEDCO	120	IN	LI	0003	D02														
D03 I/O List For ESD System																									
ITEM	ESD LEVEL	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.	
1	1	ESOV-2101	Solenoid Valve	TO INLET K.O. DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0002	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
2	1	ESOV-2102	Solenoid Valve	TO SLUG CATCHER (V-2104)	BK-GCS-PEDCO-120-PR-PI-0003	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
3	1	PIT-2111	Pressure Indicator Transmitter	From Gas Pig Receiver (PR-2102)	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
4	1, 3	LIT-2112	Level Indicator Transmitter	SLUG CATCHER DRUM (V-2104)	BK-GCS-PEDCO-120-PR-PI-0004 (1 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X	X		D03 MODIFIED	
5	3	PIT-2115	Pressure Indicator Transmitter	FROM P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*					X	X		D03 MODIFIED	
6	3	PIT-2114A	Pressure Indicator Transmitter	TO P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*					X	X		D03 MODIFIED	
7	3	PIT-2114B	Pressure Indicator Transmitter	TO P-2101A/B TO BINAK PRODUCTION UNIT	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*					X	X		D03 MODIFIED	
8	3	PIT-2116A	Pressure Indicator Transmitter	CDH-112-0012-CN05-3"-PT□	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
9	3	PIT-2116B	Pressure Indicator Transmitter	CDH-112-0013-CN05-3"-PT□	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
10	3	ESD-P-2111-A	Trip Command	SLUG PUMP (P-2101A)	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
11	3	ESD-P-2111-B	Trip Command	SLUG PUMP (P-2101B)	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
12	3	ESOV-2112	Solenoid Valve	FROM P-2101A/B TO BINAK PRODUCTION UNIT (After Slug Pumps)	BK-GCS-PEDCO-120-PR-PI-0004 (2 of 2)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
13	3	ESOV-2113	Solenoid Valve	From V-2105 /To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0005	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
14	1	LIT-2117	Level Indicator Transmitter	INLET KNOCK OUT DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
15	3	LIT-2118	Level Indicator Transmitter	INLET KNOCK OUT DRUM (V-2105)	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*					X	X		D03 MODIFIED	
16	1	PIT-2116	Pressure Indicator Transmitter	FROM SLUG CATCHER DRUM (V-2104) To V-2105	BK-GCS-PEDCO-120-PR-PI-0005	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
17	2	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		D03 MODIFIED	
18	2, 3	LIT-2122A	Level Indicator Transmitter	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #A (V-2101-A)	BK-GCS-PEDCO-120-PR-PI-0006 (1 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X	X		D03 MODIFIED	
19	3	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		D03 MODIFIED	
20	2	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		D03 MODIFIED	
21	2, 3	LIT-2122B	Level Indicator Transmitter	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #B (V-2101-B)	BK-GCS-PEDCO-120-PR-PI-0006 (2 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X	X		D03 MODIFIED	
22	3	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		D03 MODIFIED	
23	2	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		D03 MODIFIED	
24	2, 3	LIT-2122C	Level Indicator Transmitter	1ST STAGE GAS COMPRESSION SUCTION DRUM TRAIN #C (V-2101-C)	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X	X		D03 MODIFIED	
25	3	ESOV-2122C	Solenoid Valve	To Closed Drain Header	BK-GCS-PEDCO-120-PR-PI-0006 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 MODIFIED	
26	2	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-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X	X		D03 MODIFIED	
27	2	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-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
28	2	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-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
29	2A	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		D03 MODIFIED	
30	2	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		D03 MODIFIED	
31	2A	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		D03 MODIFIED	
32	2	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		D03 MODIFIED	
33	2A	ESOV-2122A	Solenoid Valve	1ST Stage Gas Compressor (C-2101-A) Bypass Valve	BK-GCS-PEDCO-120-PR-PI-0007 (1 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 ADDED	
34	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*		X	X			X		D03 MODIFIED	
35	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	
36	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED	

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																				
 D03			I/O LIST FOR ESD SYSTEMS										شماره صفحه: ۶ از ۱۲										
			پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه													
			BK	GCS	PEDCO	120	IN	LI	0003	D02													
I/O List For ESD System																							
ITEM	ESD LEVEL	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		
37	2A	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		D03 MODIFIED
38	2	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		D03 MODIFIED
39	2A	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			D03 MODIFIED
40	2	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			D03 MODIFIED
41	2A	ESOV-2122B	Solenoid Valve	1ST Stage Gas Compressor (C-2101-B) Bypass Valve	BK-GCS-PEDCO-120-PR-PI-0007 (2 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*						X		D03 ADDED
42	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*		X	X			X		D03 MODIFIED
43	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	X				X			D03 MODIFIED
44	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	X				X			D03 MODIFIED
45	2A	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		D03 MODIFIED
46	2	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		D03 MODIFIED
47	2A	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			D03 MODIFIED
48	2	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			D03 MODIFIED
49	2A	ESOV-2122C	Solenoid Valve	1ST Stage Gas Compressor (C-2101-C) Bypass Valve	BK-GCS-PEDCO-120-PR-PI-0007 (3 of 3)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*						X		D03 ADDED
50	3	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			D03 MODIFIED
51	3	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			D03 MODIFIED
52	3	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		D03 MODIFIED
53	3	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		D03 MODIFIED
54	2	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)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	X				X			D03 MODIFIED
55	3	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			D03 MODIFIED
56	3	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			D03 MODIFIED
57	3	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		D03 MODIFIED
58	3	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		D03 MODIFIED
59	2	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)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	X				X			D03 MODIFIED
60	3	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			D03 MODIFIED
61	3	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			D03 MODIFIED
62	3	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		D03 MODIFIED
63	3	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		D03 MODIFIED
64	2	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)	AI-IS-R	FIELD	DCS	*	*	*	*	*	*	*	X				X			D03 MODIFIED
65	2, 3	LIT-2132A	Level Indicator Transmitter	2ND STAGE GAS COMPRESSOR SUCTION DRUM TRAIN #A (V-2102-A)	BK-GCS-PEDCO-120-PR-PI-0009 (1 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	X	X		X	X			D03 MODIFIED
66	2A	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		D03 MODIFIED
67	3	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		D03 MODIFIED
68	2, 3	LIT-2132B	Level Indicator Transmitter	2ND STAGE GAS COMPRESSOR SUCTION DRUM TRAIN #A (V-2102-B)	BK-GCS-PEDCO-120-PR-PI-0009 (2 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	X	X		X	X			D03 MODIFIED
69	2A	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		D03 MODIFIED
70	3	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		D03 MODIFIED
71	2, 3	LIT-2132C	Level Indicator Transmitter	2ND STAGE GAS COMPRESSOR SUCTION DRUM TRAIN #A (V-2102-C)	BK-GCS-PEDCO-120-PR-PI-0009 (3 of 3)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	X	X		X	X			D03 MODIFIED
72	2A	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		D03 MODIFIED

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 												
شماره صفحه: ۷ از ۱۲			I/O LIST FOR ESD SYSTEMS							شماره پیمان: ۰۵۳ - ۰۷۳ - ۱۱۸۵												
نسخه			سریال		نوع مدرک		رشته		تهیهات		صادر کننده		بسته کاری		پروژه							
D02			0003		LI		IN		120		PEDCO		GCS		BK							
I/O List For ESD System																						
ITEM	ESD LEVEL	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
73	3	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	D03 MODIFIED
74	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X		D03 MODIFIED
75	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
76	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
77	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X		D03 MODIFIED
78	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
79	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
80	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*			X	X		D03 MODIFIED
81	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
82	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
83	3	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	D03 MODIFIED
84	3	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	D03 MODIFIED
85	3	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		D03 MODIFIED
86	3	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		D03 MODIFIED
87	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X		D03 MODIFIED
88	2A	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	D03 MODIFIED
89	2	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	D03 MODIFIED
90	3	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	D03 MODIFIED
91	3	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	D03 MODIFIED
92	3	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		D03 MODIFIED
93	3	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		D03 MODIFIED
94	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*		X		X		D03 MODIFIED
95	2A	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	D03 MODIFIED
96	2	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	D03 MODIFIED
97	3	ESD-AE-2102-C-1	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	D03 MODIFIED
98	3	ESD-AE-2102-C-2	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	D03 MODIFIED
99	3	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		D03 MODIFIED
100	3	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		D03 MODIFIED
101	2	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)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*		X		X		D03 MODIFIED
102	2A	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	D03 MODIFIED
103	2	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	D03 MODIFIED
104	1A	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	D03 MODIFIED
105	1	ESOV-2142	Solenoid Valve	From V-2103 To Dehdration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X	D03 MODIFIED
106	1	ESOV-2143	Solenoid Valve	From V-2103 To Dehdration package (PK-2101)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*					X	D03 MODIFIED
107	1, 3	LIT-2142	Level Indicator Transmitter	GAS COMPRESSION DISCHARGE DRUM (V-2103)	BK-GCS-PEDCO-120-PR-PI-0012 (1 of 1)	AI-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X	D03 MODIFIED
108	3	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	D03 MODIFIED

 NISOC				تکه‌داشت و افزایش تولید میدان نفتی بینک سطح الارض											
شماره پیمان: ۰۵۴ - ۰۳۲ - ۹۱۸۴				احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک											
				I/O LIST FOR ESD SYSTEMS											
				پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: ۱۲ از ۸			
				BK	GCS	PEDCO	120	IN	LI	0003	D02				

I/O List For ESD System																								
ITEM	ESD LEVEL	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.		
109	1A	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		D03 MODIFIED
110	3	LIT-2161	Level Indicator Transmitter	LEAN GLYCOL STORAGE TANK (TK-2102)	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
111	3	ESD-P-2161-A	Trip Command	GLYCOL TRANSFER PUMP (P-2103A)	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
112	3	ESD-P-2161-B	Trip Command	GLYCOL TRANSFER PUMP (P-2103B)	BK-GCS-PEDCO-120-PR-PI-0014 (1 of 1)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
113	3	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)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
114	3	ESOV-2201	Solenoid Valve	INSTRUMENT & PLANT AIR SYSTEM HEADER (PK-C-2203A/B , PK-DR-2203A/B)	BK-GCS-PEDCO-120-PR-PI-0015 (1 of 2)	DO-NIS-R	ESD	FIELD	*	*	*	*	*	*	*	*						X		D03 ADDED
115	3	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		D03 MODIFIED
116	3	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		D03 MODIFIED
117	1A	PT-2201A	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
118	1A	PT-2201B	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
119	1A	PT-2201C	Pressure Transmitter	From Air Drayer Package (PK-DR-2203) TO INSTRUMENT HEADER	BK-GCS-PEDCO-120-PR-PI-0015 (2 of 2)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
120	1	PIT-2211	Pressure Indicator Transmitter	NIT-112-0024-AN01-2"-PT	BK-GCS-PEDCO-120-PR-PI-0016	AH-IS-R	FIELD	ESD	±	±	±	±	±	±	±	±				X	X			D03 MODIFIED
121	3	PIT-2222A	Pressure Indicator Transmitter	CDH-112-0032-AN07-2"-PT	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AH-IS-R	FIELD	ESD	±	±	±	±	±	±	±	±				X	X			D03 MODIFIED
122	3	PIT-2222B	Pressure Indicator Transmitter	CDH-112-0033-AN07-2"-PT	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	AH-IS-R	FIELD	ESD	±	±	±	±	±	±	±	±				X	X			D03 MODIFIED
123	3	ESD-P-2221-A	Trip Command	CLOSED DRAIN DRUM PUMP (P-2202-A)	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
124	3	ESD-P-2221-B	Trip Command	CLOSED DRAIN DRUM PUMP (P-2202-B)	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
125	1A	ESD-P-2222-A	Trip Command	SUMP PUMP (P-2203-A)	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
126	1A	ESD-P-2222-B	Trip Command	SUMP PUMP (P-2203-B)	BK-GCS-PEDCO-120-PR-PI-0017 (2 of 2)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
127	1	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		D03 MODIFIED
128	3	ESD-P-2251A	Trip Command	LP Flare K.O. Drum Pump (P-2201 A)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
129	3	ESD-P-2251B	Trip Command	LP Flare K.O. Drum Pump (P-2201 B)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
130	1	LIT-2252A	Level Indicator Transmitter	LP FLARE K.O. DRUM (V-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X			D03 MODIFIED
131	1	LIT-2252B	Level Indicator Transmitter	LP FLARE K.O. DRUM (V-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X				X			D03 MODIFIED
132	1	LIT-2252C	Level Indicator Transmitter	LP FLARE K.O. DRUM (V-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X					X		D03 MODIFIED
133	3	PIT-2251A	Pressure Indicator Transmitter	LP FLARE K.O. DRUM PUMP (P-2201 A)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
134	3	PIT-2251B	Pressure Indicator Transmitter	LP FLARE K.O. DRUM PUMP (P-2201 B)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
135	3	LIT-2253	Level Indicator Transmitter	LP FLARE K.O. DRUM (V-2201)	BK-GCS-PEDCO-120-PR-PI-0020 (2 of 3)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
136	1A	ESD-PK-2281	Trip Command	LP FLARE STACK PACKAGE (Air Blower)	BK-GCS-PEDCO-120-PR-PI-0020 (3 of 3)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 ADDED
137	3	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		D03 MODIFIED
138	3	LIT-2272	Level Indicator Transmitter	FUEL GAS K.O. DRUM (V-2205)	BK-GCS-PEDCO-120-PR-PI-0022 (1 of 1)	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*	X			X	X			D03 MODIFIED
139	3	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		D03 MODIFIED
140	1A	ESD-P-2293	Trip Command	GLYCOL DRAIN PUMP (P-2104)	BK-GCS-PEDCO-120-PR-PI-0025 (1 of 1)	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 ADDED
141	1	ESOV-3101	Solenoid Valve	PIPELINE: From DEHYDRATION (PK-2101) To PL-3201	BK-PPL-PEDCO-320-PR-PI-0001	DO-NIS-R	ESD	IRP	*	*	*	*	*	*	*	*						X		D03 MODIFIED
142	1	PIT-3201A	Pressure Indicator Transmitter	PIPELINE: From DEHYDRATION (PK-2101) To PL-3201	BK-PPL-PEDCO-320-PR-PI-0001	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
143	1	PIT-3201B	Pressure Indicator Transmitter	PIPELINE: From DEHYDRATION (PK-2101) To PL-3201	BK-PPL-PEDCO-320-PR-PI-0001	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED
144	1	PIT-3201C	Pressure Indicator Transmitter	PIPELINE: From DEHYDRATION (PK-2101) To PL-3201	BK-PPL-PEDCO-320-PR-PI-0001	AH-IS-R	FIELD	ESD	*	*	*	*	*	*	*	*				X	X			D03 MODIFIED

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																					
شماره پیمان: ۰۵۲ - ۰۷۲ - ۱۱۸۴			I/O LIST FOR ESD SYSTEMS							شماره صفحه: ۹ از ۱۲														
			پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه														
			BK	GCS	PEDCO	120	IN	LI	0003	D02														
D03 I/O List For ESD System																								
ITEM	ESD LEVEL	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.
145	0	ESD0-UPS-CH1	110V AC UPS, CH01 FAULT STATUS	CONTROL ROOM	—	DI-NIS-R	ELECTRICAL (UPS CHARGER)	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
146	0	ESD0-UPS-CH2	110V AC UPS, CH02 FAULT STATUS	CONTROL ROOM	—	DI-NIS-R	ELECTRICAL (UPS CHARGER)	ESD	*	*	*	*	*	*	*	*					X			D03 ADDED
147	0	ESDR 0-F&G	CONFIRMED FLAMMABLE GAS IN HVAC INTAKE (COMMAND FROM F&G)	CONTROL ROOM	—	DI-NIS-R	F&G	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
148	0	ESD 0-EL1A	11/0.4 KV SWGR-Transformer Feeder-Q2 (EMERGENCY + NORMAL POWER ISOLATION)	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL MV SWG (IRP)	*	*	*	*	*	*	*	*						X		D03 MODIFIED
149	0	ESD 0-EL1B	11/0.4 KV SWGR-Transformer Feeder-Q2 (EMERGENCY + NORMAL POWER ISOLATION)	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL MV SWG (IRP)	*	*	*	*	*	*	*	*						X		D03 ADDED
150	0	ESD 0-EL2A	110V AC UPS, CH01 ISOLATION COMMAND	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (UPS CHARGER)	*	*	*	*	*	*	*	*						X		D03 MODIFIED
151	0	ESD 0-EL2B	110V AC UPS, CH02 ISOLATION COMMAND	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (UPS CHARGER)	*	*	*	*	*	*	*	*						X		D03 ADDED
152	1A	ESDR 1A-F&G	CONFIRMED FLAMMABLE/ TOXIC GAS IN PROCESS AREA (COMMAND FROM F&G)	CONTROL ROOM	—	DI-NIS-R	F&G	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
153	1A	ESD 1A-EL1	POWER ISOLATION IN PROCESS AREA	CONTROL ROOM	—	DO-NIS-R	ESD	IRP	±	±	±	±	±	±	±	±						X		D03 DELETED
154	1	ESDR 1-EL1	NETWORK POWER FAILURE SWITCH ACTIVATION	CONTROL ROOM	—	DI-NIS-R	IRP	ESD	±	±	±	±	±	±	±	±						X		D03 DELETED
155	1	ESDR 1-DC	DC CHARGER FAILURE	CONTROL ROOM	—	DI-NIS-R	UPS CHARGER	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
156	1	ESDR 1-PCS	PCS FAILURE	CONTROL ROOM	—	DI-NIS-R	DCS	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
157	1	ESDR 1-FLR	FLARE IGNITION FAILURE	CONTROL ROOM	—	DI-NIS-R	DCS	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
158	1A	ESD 1A-F&G	CONFIRMED FIRE IN FIRE ZONE (PROCESS) AREA (COMMAND FROM F&G)	CONTROL ROOM	—	DI-NIS-R	F&G	ESD	*	*	*	*	*	*	*	*					X			D03 MODIFIED
159	0	ESD0-LAMP	TOTAL PLANT SHUT DOWN WITH AUTOMATIC DEPRESSURIZING (ESD0)	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
160	1A	ESD1A-LAMP	PROCESS EMERGENCY SHUT DOWN WITH DEPRESSURIZING (ESD1A)	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
161	2A	ESD2A-A-LAMP	TRAIN A SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
162	2A	ESD2A-B-LAMP	TRAIN B SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
163	2A	ESD2A-C-LAMP	TRAIN C SHUT DOWN WITH DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
164	---	LAMP-ESD-INH	ESD INHIBIT LAMP	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
165	---	LAMP-ESD-RST	ESD RESET LAMP	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED
166	1	ESD1-LAMP	PROCESS EMERGENCY SHUT DOWN WITHOUT DEPRESSURIZING (ESD1)	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*						X		D03 MODIFIED

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک																						
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴			I/O LIST FOR ESD SYSTEMS							شماره صفحه: ۱۰ از ۱۲															
شماره پیمان:			پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه															
BK			GCS	PEDCO	120	IN	LI	0003	D02																
I/O List For ESD System																									
ITEM	ESD LEVEL	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.			
167	2	ESD2-A-LAMP	TRAIN A SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*							X		D03 MODIFIED
168	2	ESD2-B-LAMP	TRAIN B SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*							X		D03 MODIFIED
169	2	ESD2-C-LAMP	TRAIN C SHUT DOWN WITHOUT DEPRESSURIZING	ESD CONSOL	—	DO-NIS-R	ESD	ESD CONSOL	*	*	*	*	*	*	*	*							X		D03 MODIFIED
170	3	ESD-3-A-LAMP	COMPRESSOR C-2101-A SHUTDOWN-LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
171	3	ESD-3-B-LAMP	COMPRESSOR C-2101-B SHUTDOWN-LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
172	3	ESD-3-C-LAMP	COMPRESSOR C-2101-C SHUTDOWN-LAMP	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
173	0	ESD0-PB	TOTAL PLANT SHUT DOWN WITH AUTOMATIC DEPRESSURIZING (ESD0) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
174	1A	ESD1A-PB	PROCESS EMERGENCY SHUT DOWN WITH DEPRESSURIZING (ESD1A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
175	2A	ESD2A-A-PB	TRAIN A SHUT DOWN WITH DEPRESSURIZING (ESD2A-A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
176	2A	ESD2A-B-PB	TRAIN B SHUT DOWN WITH DEPRESSURIZING (ESD2A-B) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
177	2A	ESD2A-C-PB	TRAIN C SHUT DOWN WITH DEPRESSURIZING (ESD2A-C) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
178	---	ESD-INH	ESD INHIBIT SELECTOR SWITCH	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
179	---	ESD-RST	RESET P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
180	1	ESD1-PB	PROCESS EMERGENCY SHUT DOWN WITHOUT DEPRESSURIZING (ESD1) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
181	2	ESD2-A-PB	TRAIN A SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-A) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
182	2	ESD2-B-PB	TRAIN B SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-B) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
183	2	ESD2-C-PB	TRAIN C SHUT DOWN WITHOUT DEPRESSURIZING (ESD2A-C) P.B.	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	*	*	*	*	*	*	*	*						X			D03 MODIFIED
184	3	ESD-3-A-PB	COMPRESSOR C-2101-A SHUTDOWN-PUSH BOTTOM	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
185	3	ESD-3-B-PB	COMPRESSOR C-2101-B SHUTDOWN-PUSH BOTTOM	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
186	3	ESD-3-C-PB	COMPRESSOR C-2101-C SHUTDOWN-PUSH BOTTOM	ESD CONSOL	—	DI-NIS-R	ESD CONSOL	ESD	2	2	2	2	2	2	2	2						X			D03 DELETED
187	0	ESD0-EX	EXISTING SYSTEM ESD 0 status	EXISTING SYSTEM	—	DI-NIS-R	EXISTING SYSTEM	ESD	2	2	2	2	2	2	2	2						X	IF REQUIRED		D03 DELETED

 NISOC			تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض							 BURGAN														
شماره پیمان: ۰۵۲ - ۰۷۲ - ۹۱۸۶			I/O LIST FOR ESD SYSTEMS							شماره صفحه: ۱۱ از ۱۲														
			پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدرک	سریال	نسخه														
BK			GCS		PEDCO		120		IN		LI		0003		D02									
I/O List For ESD System																								
ITEM	ESD LEVEL	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.
188	1	ESDI 1-EX	EXISTING SYSTEM ESD 1 status	EXISTING SYSTEM	—	DI-NIS-R	EXISTING SYSTEM	ESD	*	*	*	*	*	*	*	*					X		D03 MODIFIED	
189	1A	ESDI 1A-EX	EXISTING SYSTEM ESD 1A status	EXISTING SYSTEM	—	DI-NIS-R	EXISTING SYSTEM	ESD	*	*	*	*	*	*	*	*					X	IF REQUIRED	D03 DELETED	
190	0	ESDI 0- NEW	NEW SYSTEM ESD 0 SATATUS TO EXISTING SYSTEM	CONTROL ROOM	—	DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 MODIFIED
191	1	ESDI 1- NEW	ESD 1 status	CONTROL ROOM	—	DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 MODIFIED
192	1A	ESDI 1A- NEW	ESD 1A status	CONTROL ROOM	—	DO-NIS-R	ESD	EXISTING SYSTEM	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 MODIFIED
193	0	ESDI 0-DCS	ESD 0 status in DCS	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
194	1	ESDI 1-DCS	ESD 1 status in DCS	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
195	1A	ESDI 1A-DCS	ESD 1A status in DCS	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
196	2	ESDI 2-A-DCS	ESD 2 status in DCS (TRAIN A)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
197	2	ESDI 2-B-DCS	ESD 2 status in DCS (TRAIN B)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
198	2	ESDI 2-C-DCS	ESD 2 status in DCS (TRAIN C)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
199	2A	ESDI 2A-A-DCS	ESD 2A status in DCS (TRAIN A)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
200	2A	ESDI 2A-B-DCS	ESD 2A status in DCS (TRAIN B)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
201	2A	ESDI 2A-C-DCS	ESD 2A status in DCS (TRAIN C)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
202	3	ESDI 3-A-DCS	ESD 3 status in DCS (TRAIN A)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
203	3	ESDI 3-B-DCS	ESD 3 status in DCS (TRAIN B)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
204	3	ESDI 3-C-DCS	ESD 3 status in DCS (TRAIN C)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
205	-	ESDI 3A-A-DCS	ESD 3A status in DCS (TRAIN A)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
206	-	ESDI 3A-B-DCS	ESD 3A status in DCS (TRAIN B)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED
207	-	ESDI 3A-C-DCS	ESD 3A status in DCS (TRAIN C)	CONTROL ROOM	—	DO-NIS-R	ESD	DCS	*	*	*	*	*	*	*	*						X	IF REQUIRED	D03 DELETED

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							 BURGAN 														
شماره پیمان: ۰۵۳ - ۰۳۴ - ۹۱۸۵		I/O LIST FOR ESD SYSTEMS							شماره صفحه: ۱۲ از ۱۲														
		پروژه	بسته کاری	صادر کننده	تهیهات	رشته	نوع مدارک	سریال	نسخه														
D03		BK	GCS	PEDCO	120	IN	LI	0003	D02														
I/O List For ESD System																							
ITEM	ESD LEVEL	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
	0	ESD 0-EL3A	24 V DC UPS-002-CH01 Isolation Command	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (CHARGER)	*	*	*	*	*	*	*							X	D03 ADDED
	0	ESD 0-EL3B	24 V DC UPS-002-CH02 Isolation Command	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (CHARGER)	*	*	*	*	*	*	*							X	D03 ADDED
	0	ESD 0-EL4A	110 V DC Charger-001-CH01 Isolation Command	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (CHARGER)	*	*	*	*	*	*	*							X	D03 ADDED
	0	ESD 0-EL4B	110 V DC Charger-001-CH02 Isolation Command	CONTROL ROOM	—	DO-NIS-R	ESD	ELECTRICAL (CHARGER)	*	*	*	*	*	*	*							X	D03 ADDED