

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض						 HAVAYAR INDUSTRIAL GROUP	
	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)							
شماره پیمان: 053 - 073 - 9184	INSTRUMENT CABLE LIST							شماره صفحه: 1 از 11
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	
	V04	0003	LI	IN	120	HY	GCS	
	BK							
طرح نگهداشت و افزایش تولید ۲۷ مخزن								
نگهداشت و افزایش تولید میدان نفتی بینک INSTRUMENT CABLE LIST								
V04	Apr.2024	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour			
V03	Feb.2024	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour			
V02	NOV.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour			
V01	OCT.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour			
V00	SEP.2023	IFR	Havayar Co.	M.Fakharian	M.Mehrshad			
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval		
		CLIENT Doc. Number:						
status IFR: Issued For Review IFA: Issued For Approval IFI: Issued For Information AFC: Approved For Construction								

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	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)							
شماره پیمان: 053 - 073 - 9184	INSTRUMENT CABLE LIST						شماره صفحه: 2 از 11	
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده		بسته کاری
	V04	0003	LI	IN	120	HY	GCS	BK

REVISION RECORD SHEET											
Page	V00	V01	V02	V03	V04	Page	V00	V01	V02	V03	V04
1	X	X	X	X	X	1					
2	X	X	X	X	X	2					
3	X	X	X	X	X	3					
4	X	X	X	X	X	4					
5	X	X	X	X	X	5					
6	X	X	X	X	X	6					
7	X	X	X	X	X	7					
8	X	X	X	X	X	8					
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 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض خرید پنچ های کمپرسور گاز (رقت و برقتش) بینک (BK-HD-GC-CO-0008_03 قرارداد)							 HAVAYAR INDUSTRIAL GROUP											
											INSTRUMENT CABLE LIST									
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات		رشته	نوع متریک	سریال	نسخه	شماره صفحه: 3 از 11									
053 - 073 – 9184		BK	GCS	IHY	I20		IN	LI	0003	V104										
Item No.	Cable Tag No.	From	To		Cable size		Description		Color	Cable Length (m)	Gland	IS/NIS	Remark							
1	IC-C-PSOV-2201A	JBU-S-2101A	C-PSOV-2201A		1x2x2.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	10	M20	NIS	Supply by Havayar							
2	IC-C-PSOV-2202A		C-PSOV-2202A		1x2x2.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	10	M20	NIS	Supply by Havayar							
3	IC-C-PSOV-2203A		C-PSOV-2203A		1x2x2.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	10	M20	NIS	Supply by Havayar							
4	IC-C-PSOV-2204A		C-PSOV-2204A		1x2x2.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	10	M20	NIS	Supply by Havayar							
5	IC-C-PSOV-2205A		C-PSOV-2205A		1x2x2.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	10	M20	NIS	Supply by Havayar							
6	MC-JBU-S-2101A	UCP-2101A	JBU-S-2101A	7x2x2.5mm ³		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)								
7	IC-C-TS-2191A	C-TS-2191A	JBU-D-2101A	1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	10	M20	NIS	Supply by Havayar								
8	IC-C-TS-2194A	C-TS-2194A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	10	M20	NIS	Supply by Havayar								
9	IC-C-PS-2133A	C-PS-2133A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	10	M20	NIS	Supply by Havayar								
10	IC-C-PS-2204A	C-PS-2204A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	10	M20	NIS	Supply by Havayar								
11	IC-C-PS-2220A	C-PS-2220A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	10	M20	NIS	Supply by Havayar								
12	MC-JBU-D-2101A	JBU-D-2101A	UCP-2101A	7x2x1mm ²		CU,PVC,OSC,SWA,PVC,FIRE RESISTANT		Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)								
13	IC-FT-2121A	FT-2121A	JBU-A-2101	1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
14	IC-TT-2122A	TT-2122A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
15	IC-PDT-2122A	PDT-2122A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
16	IC-PT-2123A	PT-2123A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
17	IC-TT-2123A	TT-2123A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
18	IC-PT-2124A	PT-2124A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
19	IC-FT-2131A	FT-2131A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
20	IC-TT-2132A	TT-2132A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
21	IC-PT-2132A	PT-2132A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
22	IC-PDT-2132A	PDT-2132A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
23	IC-TT-2133A	TT-2133A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
24	IC-PT-2133A	PT-2133A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
25	IC-PCVY-2123A	PCVY-2123A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
26	IC-PCVZ-2123A	PCVZ-2123A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar Loose item								
27	MC-JBU-A-2101	JBU-A-2101	UCP-2101A	19x2x1mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)								
28	IC-C-TE-2214A	C-TE-2214A	C-TT-2214A	1x3x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
29	IC-C-TE-2215A	C-TE-2215A	C-TT-2215A	1x3x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
30	IC-C-TE-2216A	C-TE-2216A	C-TT-2216A	1x3x1.5mm ²		Special Cable-RTD cable 3x0.5mm ²		Blue	10	M20	IS	Supply by Havayar								
31	IC-C-TE-2217A	C-TE-2217A	C-TT-2217A	1x3x0.5mm ²		Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar								
32	IC-C-TE-2218A	C-TE-2218A	C-TT-2218A	1x3x0.5mm ²		Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar								
33	IC-C-TE-2219A	C-TE-2219A	C-TT-2219A	1x3x0.5mm ²		Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar								
34	IC-C-TE-2220A	C-TE-2220A	C-TT-2220A	1x3x0.5mm ²		Special Cable-RTD cable 3x0.5mm ²		N/A	10	M20	N/A	Supply by Havayar								
35	IC-C-TT-2191A	C-TT-2191A	JBU-A-2101A	1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
36	IC-C-TT-2194A	C-TT-2194A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	20	M20	IS	Supply by Havayar								
37	IC-C-PT-2201A	C-PT-2201A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
38	IC-C-PT-2210A	C-PT-2210A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
39	IC-C-PT-2211A	C-PT-2211A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
40	IC-C-PT-2212A	C-PT-2212A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
41	IC-C-PT-2200A	C-PT-2200A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
42	IC-C-LT-2200A	C-LT-2200A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
43	IC-C-TT-2203A	C-TT-2203A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
44	IC-C-FT-2206A	C-FT-2206A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
45	IC-C-PT-2204A	C-PT-2204A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
46	IC-C-TT-2204A	C-TT-2204A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
47	IC-C-PDT-2204A	C-PDT-2204A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
48	IC-C-PT-2220A	C-PT-2220A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
49	IC-C-LT-2213A	C-LT-2213A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
50	IC-C-TT-2213A	C-TT-2213A		1x2x1.5mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar								
51	MC-JBU-A-2101A	JBU-A-2101A	UCP-2101A	19x2x1mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)								
52	IC-C-ZT-2200A	C-ZT-2200A	JBU-A-2102A	Special cable		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	9	M20	N/A	Supply by Havayar								
53	IC-C-ZT-2201A	C-ZT-2201A		Special cable		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	9	M20	N/A	Supply by Havayar								
54	IC-C-XT-2201A	C-XT-2201A		Special cable		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	9	M20	N/A	Supply by Havayar								
55	MC-JBU-A-2102A	JBU-A-2102A	UCP-2101A	7x3x1mm ²		CU,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M40	IS	Out of Havayar scope of work (By Hiran)								

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		خرید پنج هار کمپرسور گاز (رفت و برگشتی) بینک (قرارداد 03-0008-BK-HD-GCS-CO)									
		INSTRUMENT CABLE LIST									
شماره پیمان:		پروژه	پسته کاری	صافکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه : 4 از 11	
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V04		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
56	IC-C-TT-2214A	C-TT-2214A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
57	IC-C-TT-2215A	C-TT-2215A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
58	IC-C-TT-2216A	C-TT-2216A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
59	IC-C-TT-2217A	C-TT-2217A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
60	IC-C-TT-2218A	C-TT-2218A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
61	IC-C-TT-2219A	C-TT-2219A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
62	IC-C-TT-2220A	C-TT-2220A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
63	IC-C-TT-2221A	C-TT-2221A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	20	M20	IS	Supply by Havayar	
64	IC-C-VT-2201A	C-VT-2201A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
65	IC-C-VT-2202A	C-VT-2202A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
66	IC-C-VT-2203A	C-VT-2203A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
67	MC-JBU-A-2103A	JBU-A-2103A	UCP-2101A	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)	
68	IC-M-2101-A	M-2101-A Motor Aux JB	UCP-2101A	7x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran) Winding RTD cable	
69	MC-LCP-2101A1	LCP-2101A	UCP-2101A	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
70	MC-LCP-2101A2	LCP-2101A	UCP-2101A	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
71	MC-LCP-2101A3	LCP-2101A	UCP-2101A	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
72	MC-LCP-2101A4	LCP-2101A	UCP-2101A	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
73	MC-LCP-2101A8	LCP-2101A	UCP-2101A	3x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
74	*MC-MCC-2101A1	Client IRP	UCP-2101A OIL HEATER ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
75			UCP-2101A OIL HEATER Stop Command								
76			UCP-2101A OIL HEATER Start Command								
77			UCP-2101A OIL HEATER Running Status								
78			UCP-2101A OIL HEATER Fault Status								
79	*MC-MCC-2101A2	Client IRP	UCP-2101A AUX OIL PUMP ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
80			UCP-2101A AUX OIL PUMP Stop Command								
81			UCP-2101A AUX OIL PUMP Start Command								
82			UCP-2101A AUX OIL PUMP Running Status								
83			UCP-2101A AUX OIL PUMP Fault Status								
84	*MC-MCC-2101A3	Client IRP	UCP-2101A LUBRICATOR HEATER ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
85			UCP-2101A LUBRICATOR HEATER Stop Command								
86			UCP-2101A LUBRICATOR HEATER Start Command								
87			UCP-2101A LUBRICATOR HEATER Running Status								
88			UCP-2101A LUBRICATOR HEATER Fault Status								
89	*MC-MCC-2101A4	Client IRP	UCP-2101A LUBRICATOR MOTOR ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
90			UCP-2101A LUBRICATOR MOTOR Stop Command								
91			UCP-2101A LUBRICATOR MOTOR Start Command								
92			UCP-2101A LUBRICATOR MOTOR Running Status								
93			UCP-2101A LUBRICATOR MOTOR Fault Status								
94	*MC-MCC-2101A5	Client IRP	UCP-2101A MAIN MOTOR ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
95			UCP-2101A MAIN MOTOR Stop Command								
96			UCP-2101A MAIN MOTOR Start Command								
97			UCP-2101A MAIN MOTOR Running Status								
98			UCP-2101A MAIN MOTOR Fault Status								
99	*MC-MCC-2101A6	Client IRP	UCP-2101A OIL COOLER MOTOR A ESD Command	12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
100			UCP-2101A OIL COOLER MOTOR A Stop Command								
101			UCP-2101A OIL COOLER MOTOR A Start Command								
102			UCP-2101A OIL COOLER MOTOR A Running Status								
103			UCP-2101A OIL COOLER MOTOR A Fault Status								

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و اینپه تحت الارض							 HAVAYAR INDUSTRIAL GROUP			
		خرید پنکیج های کمپرسور گاز (رقت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	میتنه کاری	صنادرکننده	تسهيلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 5 از 11		
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V04			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
104	*MC-MCC-2101A7	Client IRP	UCP-2101A MAIN WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
105			UCP-2101A MAIN WATER PUMP Stop Command									
106			UCP-2101A MAIN WATER PUMP Start Command									
107			UCP-2101A MAIN WATER PUMP Running Status									
108			UCP-2101A MAIN WATER PUMP Fault Status									
106	*MC-MCC-2101A8	Client IRP	UCP-2101A AUX WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
107			UCP-2101A AUX WATER PUMP Stop Command									
108			UCP-2101A AUX WATER PUMP Start Command									
109			UCP-2101A AUX WATER PUMP Running Status									
110			UCP-2101A AUX WATER PUMP Fault Status									
111	*MC-MCC-2101A9	Client IRP	UCP-2101A WATER HEATER ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
112			UCP-2101A WATER HEATER Stop Command									
113			UCP-2101A WATER HEATER Start Command									
114			UCP-2101A WATER HEATER Running Status									
115			UCP-2101A WATER HEATER Fault Status									
116	*MC-MCC-2101A10	Client IRP	UCP-2101A WATER COOLER A ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
117			UCP-2101A WATER COOLER A Stop Command									
118			UCP-2101A WATER COOLER A Start Command									
119			UCP-2101A WATER COOLER A Running Status									
120			UCP-2101A WATER COOLER A Fault Status									
121	*MC-MCC-2101A11	Client IRP	UCP-2101A BARRING MOTOR ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
122			UCP-2101A BARRING MOTOR Stop Command									
123			UCP-2101A BARRING MOTOR Start Command									
124			UCP-2101A BARRING MOTOR Running Status									
125			UCP-2101A BARRING MOTOR Fault Status									
126	*MC-MCC-2101A12	Client IRP	UCP-2101A OIL COOLER MOTOR B	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
127			UCP-2101A OIL COOLER MOTOR B Stop Command									
128			UCP-2101A OIL COOLER MOTOR B Start Command									
129			UCP-2101A OIL COOLER MOTOR B Running Status									
130			UCP-2101A OIL COOLER MOTOR B Fault Status									
131	MC-ESD-2101A	ESD	UCP-2101A	7x2x1mm²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)		
132	MC-DCS-2101A	DCS	UCP-2101A	19x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)		
133	IC-PT-2121A	DCS	UCP-2101A	1x2x1.5mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back		

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و آبپایه تحت الارض خرید پنکج های کمپرسور گاز (رقت و برقتشتر) بینک (BK-HD-GCS-CO-0008_03 قرارداد)											
شماره پیمان:		INSTRUMENT CABLE LIST										شماره صفحه: 6 از 11	
		پروژه	پسته کاری	صادرکننده	تسهیلات		رشته	نوع مدرک	سریال	نسخه			
053 - 073 – 9184		BK	GCS	HY	I20		IN	LI	0003	V04			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark			
1	IC-C-PSOV-2201B	JBU-S-2101B	C-PSOV-2201B	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
2	IC-C-PSOV-2202B		C-PSOV-2202B	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
3	IC-C-PSOV-2203B		C-PSOV-2203B	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
4	IC-C-PSOV-2204B		C-PSOV-2204B	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
5	IC-C-PSOV-2205B		C-PSOV-2205B	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
6	MC-JBU-S-2101B	UCP-2101B	JBU-S-2101B	7x2x2.5mm ³	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)			
7	IC-C-TS-2191B	C-TS-2191B	JBU-D-2101B	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
8	IC-C-TS-2194B	C-TS-2194B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
9	IC-C-PS-2133B	C-PS-2133B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
10	IC-C-PS-2204B	C-PS-2204B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
11	IC-C-PS-2220B	C-PS-2220B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
12	MC-JBU-D-2101B	JBU-D-2101B	UCP-2101B	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)			
13	IC-FT-2121B	FT-2121B	JBU-A-2102	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
14	IC-TT-2122B	TT-2122B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
15	IC-PDT-2122B	PDT-2122B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
16	IC-PT-2123B	PT-2123B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
17	IC-TT-2123B	TT-2123B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
18	IC-PT-2124B	PT-2124B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
19	IC-FT-2131B	FT-2131B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
20	IC-TT-2132B	TT-2132B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
21	IC-PT-2132B	PT-2132B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
22	IC-PDT-2132B	PDT-2132B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
23	IC-TT-2133B	TT-2133B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
24	IC-PT-2133B	PT-2133B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
25	IC-PCVY-2123B	PCVY-2123B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
26	IC-PCVZ-2123B	PCVZ-2123B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
27	MC-JBU-A-2101	JBU-A-2102	UCP-2101B	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)			
28	IC-C-TE-2214B	C-TE-2214B	C-TT-2214B	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
29	IC-C-TE-2215B	C-TE-2215B	C-TT-2215B	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
30	IC-C-TE-2216B	C-TE-2216B	C-TT-2216B	1x3x1.5mm ²	Special Cable-RTD cable 3x0.5mm ²	Blue	10	M20	IS	Supply by Havayar			
31	IC-C-TE-2217B	C-TE-2217B	C-TT-2217B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
32	IC-C-TE-2218B	C-TE-2218B	C-TT-2218B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
33	IC-C-TE-2219B	C-TE-2219B	C-TT-2219B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
34	IC-C-TE-2220B	C-TE-2220B	C-TT-2220B	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
35	IC-C-TT-2191B	C-TT-2191B	JBU-A-2101B	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
36	IC-C-TT-2194B	C-TT-2194B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar			
37	IC-C-PT-2201B	C-PT-2201B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
38	IC-C-PT-2210B	C-PT-2210B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
39	IC-C-PT-2211B	C-PT-2211B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
40	IC-C-PT-2212B	C-PT-2212B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
41	IC-C-PT-2200B	C-PT-2200B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
42	IC-C-LT-2200B	C-LT-2200B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
43	IC-C-TT-2203B	C-TT-2203B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
44	IC-C-FT-2206B	C-FT-2206B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
45	IC-C-PT-2204B	C-PT-2204B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
46	IC-C-TT-2204B	C-TT-2204B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
47	IC-C-PDT-2204B	C-PDT-2204B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
48	IC-C-PT-2220B	C-PT-2220B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
49	IC-C-LT-2213B	C-LT-2213B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
50	IC-C-TT-2213B	C-TT-2213B		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
51	MC-JBU-A-2101B	JBU-A-2101B	UCP-2101B	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)			
52	IC-C-ZT-2200B	C-ZT-2200B	JBU-A-2102B	Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
53	IC-C-ZT-2201B	C-ZT-2201B		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
54	IC-C-XT-2201B	C-XT-2201B		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
55	MC-JBU-A-2102B	JBU-A-2102B	UCP-2101B	7x3x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M40	IS	Out of Havayar scope of work (By Hiran)			

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و آبپنه تحت الارض						 HAVAYAR INDUSTRIAL GROUP			
		خرید پکیج های کامرسور گاز (رقت و برکتش) بینک (قرارداد BK-HD-GCS-CO-0008_03)									
		INSTRUMENT CABLE LIST									
شماره پیمان:		پروژه	پسته کاری	صافکننده	تسهيلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 7 از 11	
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V04		
Item No	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
56	IC-C-TT-22148	C-TT-22148		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
57	IC-C-TT-22158	C-TT-22158		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
58	IC-C-TT-22168	C-TT-22168		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
59	IC-C-TT-22178	C-TT-22178		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
60	IC-C-TT-22188	C-TT-22188		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
61	IC-C-TT-22198	C-TT-22198		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
62	IC-C-TT-22208	C-TT-22208		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
63	IC-C-TT-22218	C-TT-22218		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	20	M20	IS	Supply by Havayar	
64	IC-C-VT-22018	C-VT-22018		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
65	IC-C-VT-22028	C-VT-22028		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
66	IC-C-VT-22038	C-VT-22038		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	10	M20	IS	Supply by Havayar	
67	MC-JBU-A-21038	JBU-A-21038	UCP-21018	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)	
68	IC-M-2101-A	M-2101-A Motor Aux JB	UCP-21018	7x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran) Winding RTD cable	
69	MC-LCP-210181	LCP-21018	UCP-21018	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
70	MC-LCP-210182	LCP-21018	UCP-21018	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
71	MC-LCP-210183	LCP-21018	UCP-21018	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
72	MC-LCP-210184	LCP-21018	UCP-21018	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
73	MC-LCP-210188	LCP-21018	UCP-21018	3x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
74	*MC-MCC-210181	Client IRP	UCP-21018 OIL HEATER ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
75			UCP-21018 OIL HEATER Stop Command								
76			UCP-21018 OIL HEATER Start Command								
77			UCP-21018 OIL HEATER Running Status								
78			UCP-21018 OIL HEATER Fault Status								
79	*MC-MCC-210182	Client IRP	UCP-21018 AUX OIL PUMP ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
80			UCP-21018 AUX OIL PUMP Stop Command								
81			UCP-21018 AUX OIL PUMP Start Command								
82			UCP-21018 AUX OIL PUMP Running Status								
83			UCP-21018 AUX OIL PUMP Fault Status								
84	*MC-MCC-210183	Client IRP	UCP-21018 LUBRICATOR HEATER ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
85			UCP-21018 LUBRICATOR HEATER Stop Command								
86			UCP-21018 LUBRICATOR HEATER Start Command								
87			UCP-21018 LUBRICATOR HEATER Running Status								
88			UCP-21018 LUBRICATOR HEATER Fault Status								
89	*MC-MCC-210184	Client IRP	UCP-21018 LUBRICATOR MOTOR ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
90			UCP-21018 LUBRICATOR MOTOR Stop Command								
91			UCP-21018 LUBRICATOR MOTOR Start Command								
92			UCP-21018 LUBRICATOR MOTOR Running Status								
93			UCP-21018 LUBRICATOR MOTOR Fault Status								
94	*MC-MCC-210185	Client IRP	UCP-21018 MAIN MOTOR ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
95			UCP-21018 MAIN MOTOR Stop Command								
96			UCP-21018 MAIN MOTOR Start Command								
97			UCP-21018 MAIN MOTOR Running Status								
98			UCP-21018 MAIN MOTOR Fault Status								
99	*MC-MCC-210186	Client IRP	UCP-21018 OIL COOLER MOTOR A ESD Command	12core X 2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
100			UCP-21018 OIL COOLER MOTOR A Stop Command								
101			UCP-21018 OIL COOLER MOTOR A Start Command								
102			UCP-21018 OIL COOLER MOTOR A Running Status								
103			UCP-21018 OIL COOLER MOTOR A Fault Status								

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و اینپه تحت الارض							 HAVAYAR INDUSTRIAL GROUP			
		خرید پنکیج های کمپرسور گاز (رقت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه 8 از 11		
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V04			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
104	*MC-MCC-2101B7	Client IRP	UCP-2101B MAIN WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
105			UCP-2101B MAIN WATER PUMP Stop Command									
106			UCP-2101B MAIN WATER PUMP Start Command									
107			UCP-2101B MAIN WATER PUMP Running Status									
108			UCP-2101B MAIN WATER PUMP Fault Status									
106	*MC-MCC-2101B8	Client IRP	UCP-2101B AUX WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
107			UCP-2101B AUX WATER PUMP Stop Command									
108			UCP-2101B AUX WATER PUMP Start Command									
109			UCP-2101B AUX WATER PUMP Running Status									
110			UCP-2101B AUX WATER PUMP Fault Status									
111	*MC-MCC-2101B9	Client IRP	UCP-2101B WATER HEATER ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
112			UCP-2101B WATER HEATER Stop Command									
113			UCP-2101B WATER HEATER Start Command									
114			UCP-2101B WATER HEATER Running Status									
115			UCP-2101B WATER HEATER Fault Status									
116	*MC-MCC-2101B10	Client IRP	UCP-2101B WATER COOLER A ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
117			UCP-2101B WATER COOLER A Stop Command									
118			UCP-2101B WATER COOLER A Start Command									
119			UCP-2101B WATER COOLER A Running Status									
120			UCP-2101B WATER COOLER A Fault Status									
121	*MC-MCC-2101B11	Client IRP	UCP-2101B BARRING MOTOR ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
122			UCP-2101B BARRING MOTOR Stop Command									
123			UCP-2101B BARRING MOTOR Start Command									
124			UCP-2101B BARRING MOTOR Running Status									
125			UCP-2101B BARRING MOTOR Fault Status									
126	*MC-MCC-2101B12	Client IRP	UCP-2101B OIL COOLER MOTOR B Stop Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
127			UCP-2101B OIL COOLER MOTOR B Stop Command									
128			UCP-2101B OIL COOLER MOTOR B Start Command									
129			UCP-2101B OIL COOLER MOTOR B Running Status									
130			UCP-2101B OIL COOLER MOTOR B Fault Status									
131	MC-ESD-2101B	ESD	UCP-2101B	7x2x1mm²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)		
132	MC-DCS-2101B	DCS	UCP-2101B	19x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)		
133	IC-PT-2121B	DCS	UCP-2101B	1x2x1.5mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back		

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض خرید پنکج های کمپرسور گاز (رقت و برقتشتر) بینک (BK-HD-GCS-CO-0008_03 قرارداد)											
شماره پیمان:		INSTRUMENT CABLE LIST										شماره صفحه 9 از 11	
053 - 073 – 9184		BK	GCS	IHY	120		رشته	نوع مدرک	سریال	نسخه			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark			
1	IC-C-PSOV-2201C	JBU-S-2101C	C-PSOV-2201C	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
2	IC-C-PSOV-2202C		C-PSOV-2202C	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
3	IC-C-PSOV-2203C		C-PSOV-2203C	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
4	IC-C-PSOV-2204C		C-PSOV-2204C	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
5	IC-C-PSOV-2205C		C-PSOV-2205C	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
6	MC-JBU-S-2101C		UCP-2101C	JBU-S-2101C	7x2x2.5mm ³	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)		
7	IC-C-TS-2191C	C-TS-2191C	JBU-D-2101C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
8	IC-C-TS-2194C	C-TS-2194C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
9	IC-C-PS-2133C	C-PS-2133C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
10	IC-C-PS-2204C	C-PS-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
11	IC-C-PS-2220C	C-PS-2220C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	10	M20	NIS	Supply by Havayar			
12	MC-JBU-D-2101C	JBU-D-2101C	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)			
13	IC-FT-2121C	FT-2121C	JBU-A-2103	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
14	IC-TT-2122C	TT-2122C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
15	IC-PDT-2122C	PDT-2122C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
16	IC-PT-2123C	PT-2123C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
17	IC-TT-2123C	TT-2123C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
18	IC-PT-2124C	PT-2124C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
19	IC-FT-2131C	FT-2131C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
20	IC-TT-2132C	TT-2132C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
21	IC-PT-2132C	PT-2132C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
22	IC-PDT-2132C	PDT-2132C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
23	IC-TT-2133C	TT-2133C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
24	IC-PT-2133C	PT-2133C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
25	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
26	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
27	MC-JBU-A-2101	JBU-A-2103	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)			
28	IC-C-TE-2214C	C-TE-2214C	C-TT-2214C	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
29	IC-C-TE-2215C	C-TE-2215C	C-TT-2215C	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
30	IC-C-TE-2216C	C-TE-2216C	C-TT-2216C	1x3x1.5mm ²	Special Cable-RTD cable 3x0.5mm ²	Blue	10	M20	IS	Supply by Havayar			
31	IC-C-TE-2217C	C-TE-2217C	C-TT-2217C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
32	IC-C-TE-2218C	C-TE-2218C	C-TT-2218C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
33	IC-C-TE-2219C	C-TE-2219C	C-TT-2219C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
34	IC-C-TE-2220C	C-TE-2220C	C-TT-2220C	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
35	IC-C-TT-2191C	C-TT-2191C	JBU-A-2101C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
36	IC-C-TT-2194C	C-TT-2194C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar			
37	IC-C-PT-2201C	C-PT-2201C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
38	IC-C-PT-2210C	C-PT-2210C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
39	IC-C-PT-2211C	C-PT-2211C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
40	IC-C-PT-2212C	C-PT-2212C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
41	IC-C-PT-2200C	C-PT-2200C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
42	IC-C-LT-2200C	C-LT-2200C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
43	IC-C-TT-2203C	C-TT-2203C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
44	IC-C-FT-2206C	C-FT-2206C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
45	IC-C-PT-2204C	C-PT-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
46	IC-C-TT-2204C	C-TT-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
47	IC-C-PDT-2204C	C-PDT-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
48	IC-C-PT-2220C	C-PT-2220C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
49	IC-C-LT-2213C	C-LT-2213C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
50	IC-C-TT-2213C	C-TT-2213C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
51	MC-JBU-A-2101C	JBU-A-2101C	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)			
52	IC-C-ZT-2200C	C-ZT-2200C	JBU-A-2102C	Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
53	IC-C-ZT-2201C	C-ZT-2201C		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
54	IC-C-XT-2201C	C-XT-2201C		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	9	M20	N/A	Supply by Havayar			
55	MC-JBU-A-2102C	JBU-A-2102C	UCP-2101C	7x3x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M40	IS	Out of Havayar scope of work (By Hiran)			

 NISOC		 HAVAYAR INDUSTRIAL GROUP نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و اینپه تحت الارض خرید پنکیج های کمپرسور گاز (رقت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)							شماره صفحه 11 از 11				
شماره پیمان:		INSTRUMENT CABLE LIST											
053 - 073 – 9184		پرورده	پسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه				
BK		GCS	HV	120		IN	LI	0003	V04				
Item No.	Cable Tag No.	From	To	Cable size	Description			Color	Cable Length (m)	Gland	IS/NIS	Remark	
104	*MC-MCC-2101C7	Client IRP	UCP-2101C MAIN WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
105			UCP-2101C MAIN WATER PUMP Stop Command										
106			UCP-2101C MAIN WATER PUMP Start Command										
107			UCP-2101C MAIN WATER PUMP Running Status										
108			UCP-2101C MAIN WATER PUMP Fault Status										
106	*MC-MCC-2101C8	Client IRP	UCP-2101C AUX WATER PUMP ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
107			UCP-2101C AUX WATER PUMP Stop Command										
108			UCP-2101C AUX WATER PUMP Start Command										
109			UCP-2101C AUX WATER PUMP Running Status										
110			UCP-2101C AUX WATER PUMP Fault Status										
111	*MC-MCC-2101C9	Client IRP	UCP-2101C WATER HEATER ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
112			UCP-2101C WATER HEATER Stop Command										
113			UCP-2101C WATER HEATER Start Command										
114			UCP-2101C WATER HEATER Running Status										
115			UCP-2101C WATER HEATER Fault Status										
116	*MC-MCC-2101C10	Client IRP	UCP-2101C WATER COOLER A ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
117			UCP-2101C WATER COOLER A Stop Command										
118			UCP-2101C WATER COOLER A Start Command										
119			UCP-2101C WATER COOLER A Running Status										
120			UCP-2101C WATER COOLER A Fault Status										
121	*MC-MCC-2101C11	Client IRP	UCP-2101C BARRING MOTOR ESD Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
122			UCP-2101C BARRING MOTOR Stop Command										
123			UCP-2101C BARRING MOTOR Start Command										
124			UCP-2101C BARRING MOTOR Running Status										
125			UCP-2101C BARRING MOTOR Fault Status										
126	*MC-MCC-2101C12	Client IRP	UCP-2101C OIL COOLER MOTOR B Stop Command	12core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT			Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
127			UCP-2101C OIL COOLER MOTOR B Stop Command										
128			UCP-2101C OIL COOLER MOTOR B Start Command										
129			UCP-2101C OIL COOLER MOTOR B Running Status										
130			UCP-2101C OIL COOLER MOTOR B Fault Status										
131	MC-ESD-2101C	ESD	UCP-2101C	7x2x1mm²	CU,PVC,OSC,PVC,FIRE RESISTANT			Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)	
132	MC-DCS-2101C	DCS	UCP-2101C	19x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT			Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
133	IC-PT-2121C	DCS	UCP-2101C	1x2x1.5mm²	CU,PVC,OSC,PVC,FLAME RETARDANT			Gray	Hold	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back	