

 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 (فراردا BK-HD-GCS-CO-0008_03)								
شماره پیمان: 053 - 073 – 9184	INSTRUMENT CABLE LIST						شماره صفحه: 1 از 8		
	نسخه	سریال	نوع مترک	رشته	تسهیلات	صادرکننده		بسته کاری	پروژه
	V02	0003	LI	IN	120	HY		GCS	BK
طرح نگهداشت و افزایش تولید ۲۷ مخزن									
نگهداشت و افزایش تولید میدان نفتی بینک INSTRUMENT CABLE LIST									
V02	NOV.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour				
V01	OCT.2023	AFC	Havayar Co.	M.Fakharian	S.Faramarzpour				
V00	SEP.2023	IFI	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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شماره پیمان: 053 - 073 - 9184	INSTRUMENT CABLE LIST							شماره صفحه: 2 از 8	
	پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال		نسخه
	BK	GCS	HY	120	IN	LI	0003		V02

REVISION RECORD SHEET

Page	V00	V01	V02	V03	V04	Page	V00	V01	V02	V03	V04
1	X	X	X			65					
2	X	X	X			66					
3	X	X	X			67					
4	X	X	X			68					
5	X	X	X			69					
6	X	X	X			70					
7	X	X	X			71					
8	X	X	X			72					
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		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)											
		INSTRUMENT CABLE LIST											
شماره پیمان:		نسخه		سریال	نوع مترک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	شماره صفحه: 3 از 8		
		V02		0003	LI	IN	120	HY	GCS	BK			
053 - 073 – 9184													
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark			
1	IC-SV-2201A	JBU-S-2101A	SV-2201A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
2	IC-SV-2202A		SV-2202A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
3	IC-SV-2203A		SV-2203A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
5	IC-PY-2123A		PY-2123A	1x2x2.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar Loose Item			
6	MC-JBU-S-2101A		UCP-2101A	JBU-S-2101A	7x2x2.5mm ³	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
7	IC-CZSO-2123A	CZSO-2123A	JBU-D-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item			
8	IC-CZSC-2123A	CZSC-2123A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item			
9	MC-JBU-D-2101A	JBU-D-2101A	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work			
10	IC-TS-2191A	TS-2191A	JBU-D-2102A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
11	IC-TS-2194A	TS-2194A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
12	IC-PS-2133A	PS-2133A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
13	IC-PS-2204A	PS-2204A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
14	IC-PS-2220A	PS-2220A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar			
15	MC-JBU-D-2102A	JBU-D-2102A	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work			
Note1													
16	IC-FT-2121A	FT-2121A	JBU-A-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
17	IC-TT-2122A	TT-2122A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
18	IC-PDT-2122A	PDT-2122A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
19	IC-PT-2123A	PT-2123A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
20	IC-TT-2123A	TT-2123A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
21	IC-PT-2124A	PT-2124A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
22	IC-FT-2131A	FT-2131A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
23	IC-TT-2132A	TT-2132A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
24	IC-PT-2132A	PT-2132A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
25	IC-PDT-2132A	PDT-2132A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
26	IC-TT-2133A	TT-2133A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
27	IC-PT-2133A	PT-2133A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
28	IC-PCVY-2123A	PCVY-2123A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
29	IC-PCYZ-2123A	PCYZ-2123A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item			
30	MC-JBU-A-2101A	JBU-A-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work			
31	IC-TE-2214A	TE-2214A	TT-2214A	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
32	IC-TE-2215A	TE-2215A	TT-2214A	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
33	IC-TE-2216A	TE-2216A	TT-2216A	1x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
34	IC-TE-2217A	TE-2217A	TT-22117A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
35	IC-TE-2218A	TE-2218A	TT-2218A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
36	IC-TE-2219A	TE-2219A	TT-2219A	1x3x0.5mm ²	Special Cable-RTD cable 3x0.5mm ²	N/A	10	M20	N/A	Supply by Havayar			
37	IC-TT-2191A	TT-2191A	JBU-A-2102A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
38	IC-TT-2194A	TT-2194A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar			
39	IC-PT-2201A	PT-2201A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
40	IC-PT-2210A	PT-2210A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
41	IC-PT-2211A	PT-2211A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
42	IC-FT-2206A	FT-2206A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
43	IC-PT-2200A	PT-2200A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
44	IC-LT-2200A	LT-2200A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
45	IC-TT-2203A	TT-2203A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
46	IC-TT-2214A	TT-2214A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
47	IC-TT-2215A	TT-2215A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
48	IC-TT-2216A	TT-2216A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
49	IC-TT-2217A	TT-2217A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
50	IC-TT-2218A	TT-2218A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
51	IC-TT-2219A	TT-2219A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar			
52	MC-JBU-A-2102A	JBU-A-2102A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work			

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شماره پیمان:		INSTRUMENT CABLE LIST							شماره صفحه: 3 از 8			
		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال				
053 - 073 - 9184		BK	GCS	HY	120	IN	LI	0003	V02			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
53	IC-PT-2204A	PT-2204A	JBU-A-2103A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
54	IC-TT-2204A	TT-2204A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
55	IC-PDT-2204A	PDT-2204A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
56	MC-JBU-A-2103A	JBU-A-2103A	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work		
57	IC-PT-2220A	PT-2220A	JBU-A-2104A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
58	IC-PT-2221A	PT-2221A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
59	IC-LT-2213A	LT-2213A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
60	IC-TT-2213A	TT-2213A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
61	MC-JBU-A-2104A	JBU-A-2104A	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work		
62	IC-VT-2201A	VT-2201A	JBU-A-2105A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
63	IC-VT-2202A	VT-2202A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
64	IC-XT-2201A	XT-2201A		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
65	IC-ZT-2200A	ZT-2200A		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
66	IC-ZT-2201A	ZT-2201A		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
67	MC-JBU-A-2105A	JBU-A-2105A	UCP-2101A	12x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work		
68	ICJBU-A-2106A	JBU-A-2106A	UCP-2101A	7x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work Winding RTD cable		
69	MC-LCP-2101A1	LCP-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
70	MC-LCP-2101A2	LCP-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
71	MC-LCP-2101A3	LCP-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
72	MC-LCP-2101A4	LCP-2101A	UCP-2101A	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
73	MC-LCP-2101A8	LCP-2101A	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
74	MC-MCC-2101A1	UCP-2101A	OIL HEATER MCC Running & Fault	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
75			AUX OIL PUMP MCC Running & Fault									
76			LUBRICATOR HEATER MCC Running & Fault									
77			LUBRICATOR MOTOR MCC Running & Fault									
78			MAIN MOTOR MCC Running & Fault									
79			OIL COOLER MOTOR MCC Running & Fault									
80			MAIN WATER PUMP MOTOR MCC Running & Fault									
81	AUX WATER PUMP MOTOR MCC Running & Fault											
82	MC-MCC-2101A2	UCP-2101A	WATER HEATER MCC Running & Fault	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
83			WATER COOLER MCC Running & Fault									
84			BARRING MOTOR MCC Running & Fault									
85	MC-MCC-2101A3	UCP-2101A	OIL HEATER MCC Start/Stop/ESD	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
86			AUX OIL PUMP MCC Start/Stop/ESD									
87			LUBRICATOR HEATER MCC Start/Stop/ESD									
88			LUBRICATOR MOTOR MCC Start/Stop/ESD									
89	MC-MCC-2101A4	UCP-2101A	MAIN MOTOR MCC Start/Stop/ESD	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
90			OIL COOLER MOTOR MCC Start/Stop/ESD									
91			MAIN WATER PUMP MOTOR MCC Start/Stop/ESD									
92			AUX WATER PUMP MOTOR MCC Start/Stop/ESD									
93			WATER HEATER MCC Start/Stop/ESD									
94			WATER COOLER MCC Start/Stop/ESD									
95			BARRING MOTOR MCC Start/Stop/ESD									
96	MC-ESD-2101A	ESD	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
97	MC-DCS-2101A	DCS	UCP-2101A	7x2x1mm ²	CJ,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
98	IC-PT-2121A	DCS	UCP-2101A	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M20	NIS	Out of Havayar scope of work Spill Back		

Note1:JBU-A-2101A is out of Havayar scope of work.

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض												
		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (BK-HD-GCS-CO-0008_03 فراراد)												
		INSTRUMENT CABLE LIST												
شماره پیمان:		نسخه		سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	شماره صفحه: 3 از 8			
		V02		0003	LI	IN	120	HY	GCS	BK				
053 - 073 – 9184														
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark				
1	IC-SV-2201B	JBU-S-2101B	SV-2201B	1x2x2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
2	IC-SV-2202B		SV-2202B	1x2x2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
3	IC-SV-2203B		SV-2203B	1x2x2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
5	IC-PY-2123B		PY-2123B	1x2x2.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar Loose Item				
6	MC-JBU-S-2101B		UCP-2101B	JBU-S-2101B	7x2x2.5mm^3	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work			
7	IC-CZSO-2123B	CZSO-2123B	JBU-D-2101B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item				
8	IC-CZSC-2123B	CZSC-2123B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item				
9	MC-JBU-D-2101B	JBU-D-2101B	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work				
10	IC-TS-2191B	TS-2191B	JBU-D-2102B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
11	IC-TS-2194B	TS-2194B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
12	IC-PS-2133B	PS-2133B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
13	IC-PS-2204B	PS-2204B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
14	IC-PS-2220B	PS-2220B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar				
15	MC-JBU-D-2102B	JBU-D-2102B	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work				
Note1														
16	IC-FT-2121B	FT-2121B	JBU-A-2101B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
17	IC-TT-2122B	TT-2122B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
18	IC-PDT-2122B	PDT-2122B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
19	IC-PT-2123B	PT-2123B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
20	IC-TT-2123B	TT-2123B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
21	IC-PT-2124B	PT-2124B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
22	IC-FT-2131B	FT-2131B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
23	IC-TT-2132B	TT-2132B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
24	IC-PT-2132B	PT-2132B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
25	IC-PDT-2132B	PDT-2132B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
26	IC-TT-2133B	TT-2133B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
27	IC-PT-2133B	PT-2133B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
28	IC-PCVY-2123B	PCVY-2123B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
29	IC-PCYZ-2123B	PCYZ-2123B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item				
30	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				
31	IC-TE-2214B	TE-2214B	TT-2214B	1x3x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
32	IC-TE-2215B	TE-2215B	TT-2214B	1x3x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
33	IC-TE-2216B	TE-2216B	TT-2216B	1x3x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
34	IC-TE-2217B	TE-2217B	TT-22117B	1x3x0.5mm^2	Special Cable-RTD cable 3x0.5mm^2	N/A	10	M20	N/A	Supply by Havayar				
35	IC-TE-2218B	TE-2218B	TT-2218B	1x3x0.5mm^2	Special Cable-RTD cable 3x0.5mm^2	N/A	10	M20	N/A	Supply by Havayar				
36	IC-TE-2219B	TE-2219B	TT-2219B	1x3x0.5mm^2	Special Cable-RTD cable 3x0.5mm^2	N/A	10	M20	N/A	Supply by Havayar				
37	IC-TT-2191B	TT-2191B	JBU-A-2102B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
38	IC-TT-2194B	TT-2194B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar				
39	IC-PT-2201B	PT-2201B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
40	IC-PT-2210B	PT-2210B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
41	IC-PT-2211B	PT-2211B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
42	IC-FT-2206B	FT-2206B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
43	IC-PT-2200B	PT-2200B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
44	IC-LT-2200B	LT-2200B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
45	IC-TT-2203B	TT-2203B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
46	IC-TT-2214B	TT-2214B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
47	IC-TT-2215B	TT-2215B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
48	IC-TT-2216B	TT-2216B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
49	IC-TT-2217B	TT-2217B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
50	IC-TT-2218B	TT-2218B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
51	IC-TT-2219B	TT-2219B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar				
52	MC-JBU-A-2102B	JBU-A-2102B	UCP-2101B	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work				

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض										
		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (BK-HD-GCS-CO-0008_03 قرارداد)										
شماره پیمان:		INSTRUMENT CABLE LIST							شماره صفحه: 3 از 8			
		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال				
053 - 073 - 9184		BK	GCS	HY	120	IN	LI	0003	V02			
Item No.	Cable Tag No.	From	To	Cable size	Description		Color	Cable Length (m)	Gland	IS/NIS	Remark	
53	IC-PT-2204B	PT-2204B	JBU-A-2103B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
54	IC-TT-2204B	TT-2204B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
55	IC-PDT-2204B	PDT-2204B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
56	MC-JBU-A-2103B	JBU-A-2103B	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M32	IS	Out of Havayar scope of work	
57	IC-PT-2220B	PT-2220B	JBU-A-2104B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
58	IC-PT-2221B	PT-2221B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
59	IC-LT-2213B	LT-2213B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
60	IC-TT-2213B	TT-2213B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
61	MC-JBU-A-2104B	JBU-A-2104B	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M32	IS	Out of Havayar scope of work	
62	IC-VT-2201B	VT-2201B	JBU-A-2105B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
63	IC-VT-2202B	VT-2202B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
64	IC-XT-2201B	XT-2201B		1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
65	IC-ZT-2200B	ZT-2200B		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	10	M20	N/A	Supply by Havayar	
66	IC-ZT-2201B	ZT-2201B		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	10	M20	N/A	Supply by Havayar	
67	MC-JBU-A-2105B	JBU-A-2105B	UCP-2101B	12x3x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M50	IS	Out of Havayar scope of work	
68	ICJBU-A-2106B	JBU-A-2106B	UCP-2101B	7x3x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M40	NIS	Out of Havayar scope of work Winding RTD cable	
69	MC-LCP-2101B1	LCP-2101B	UCP-2101B	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
70	MC-LCP-2101B2	LCP-2101B	UCP-2101B	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
71	MC-LCP-2101B3	LCP-2101B	UCP-2101B	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
72	MC-LCP-2101B4	LCP-2101B	UCP-2101B	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
73	MC-LCP-2101B5	LCP-2101B	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
74	MC-MCC-2101B1	UCP-2101B	OIL HEATER MCC Running & Fault	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
75			AUX OIL PUMP MCC Running & Fault									
76			LUBRICATOR HEATER MCC Running & Fault									
77			LUBRICATOR MOTOR MCC Running & Fault									
78			MAIN MOTOR MCC Running & Fault									
79			OIL COOLER MOTOR MCC Running & Fault									
80			MAIN WATER PUMP MOTOR MCC Running & Fault									
81	AUX WATER PUMP MOTOR MCC Running & Fault											
82	MC-MCC-2101B2	UCP-2101B	WATER HEATER MCC Running & Fault	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
83			WATER COOLER MCC Running & Fault									
84			BARRING MOTOR MCC Running & Fault									
85	MC-MCC-2101B3	UCP-2101B	OIL HEATER MCC Start/Stop/ESD	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
86			AUX OIL PUMP MCC Start/Stop/ESD									
87			LUBRICATOR HEATER MCC Start/Stop/ESD									
88			LUBRICATOR MOTOR MCC Start/Stop/ESD									
89	MC-MCC-2101B4	UCP-2101B	MAIN MOTOR MCC Start/Stop/ESD	19x2x1mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
90			OIL COOLER MOTOR MCC Start/Stop/ESD									
91			MAIN WATER PUMP MOTOR MCC Start/Stop/ESD									
92			AUX WATER PUMP MOTOR MCC Start/Stop/ESD									
93			WATER HEATER MCC Start/Stop/ESD									
94			WATER COOLER MCC Start/Stop/ESD									
95	BARRING MOTOR MCC Start/Stop/ESD											
96	MC-ESD-2101B	ESD	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
97	MC-DCS-2101B	DCS	UCP-2101B	7x2x1mm^2	CJ,PVC,OSC,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
98	IC-PT-2121B	DCS	UCP-2101B	1x2x1.5mm^2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M20	NIS	Out of Havayar scope of work Spill Back	

Note1:JBU-A-2101B is out of Havayar scope of work.

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (BK-HD-GCS-CO-0008_03 قرارداد) INSTRUMENT CABLE LIST							 HAVAYAR INDUSTRIAL GROUP			
شماره پیمان:		نسخه		سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه	شماره صفحه: 3 از 8	
053 - 073 – 9184		V02	0003	LI	IN		120	HY	GCS	BK		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
1	IC-SV-2201C	JBU-S-2101C	SV-2201C	1x2x2.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
2	IC-SV-2202C		SV-2202C	1x2x2.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
3	IC-SV-2203C		SV-2203C	1x2x2.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
5	IC-PY-2123C		PY-2123C	1x2x2.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar Loose Item		
6	MC-JBU-S-2101C		UCP-2101C	JBU-S-2101C	7x2x2.5mm [^] 3	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work	
7	IC-CZSO-2123C	CZSO-2123C	JBU-D-2101C	1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item		
8	IC-CZSC-2123C	CZSC-2123C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	20	M20	NIS	Supply by Havayar Loose Item		
9	MC-JBU-D-2101C	JBU-D-2101C	UCP-2101C	7x2x1mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
10	IC-TS-2191C	TS-2191C	JBU-D-2102C	1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
11	IC-TS-2194C	TS-2194C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
12	IC-PS-2133C	PS-2133C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
13	IC-PS-2204C	PS-2204C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
14	IC-PS-2220C	PS-2220C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
15	MC-JBU-D-2102C	JBU-D-2102C	UCP-2101C	7x2x1mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work		
Note1												
16	IC-FT-2121C	FT-2121C	JBU-A-2101C	1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
17	IC-TT-2122C	TT-2122C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
18	IC-PDT-2122C	PDT-2122C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
19	IC-PT-2123C	PT-2123C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
20	IC-TT-2123C	TT-2123C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
21	IC-PT-2124C	PT-2124C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
22	IC-FT-2131C	FT-2131C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
23	IC-TT-2132C	TT-2132C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
24	IC-PT-2132C	PT-2132C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
25	IC-PDT-2132C	PDT-2132C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
26	IC-TT-2133C	TT-2133C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
27	IC-PT-2133C	PT-2133C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
28	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
29	IC-PCYZ-2123C	PCYZ-2123C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose Item		
30	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		
31	IC-TE-2214C	TE-2214C	TT-2214C	1x3x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
32	IC-TE-2215C	TE-2215C	TT-2214C	1x3x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
33	IC-TE-2216C	TE-2216C	TT-2216C	1x3x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
34	IC-TE-2217C	TE-2217C	TT-22117C	1x3x0.5mm [^] 2	Special Cable-RTD cable 3x0.5mm [^] 2	N/A	10	M20	N/A	Supply by Havayar		
35	IC-TE-2218C	TE-2218C	TT-2218C	1x3x0.5mm [^] 2	Special Cable-RTD cable 3x0.5mm [^] 2	N/A	10	M20	N/A	Supply by Havayar		
36	IC-TE-2219C	TE-2219C	TT-2219C	1x3x0.5mm [^] 2	Special Cable-RTD cable 3x0.5mm [^] 2	N/A	10	M20	N/A	Supply by Havayar		
37	IC-TT-2191C	TT-2191C	JBU-A-2102C	1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
38	IC-TT-2194C	TT-2194C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
39	IC-PT-2201C	PT-2201C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
40	IC-PT-2210C	PT-2210C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
41	IC-PT-2211C	PT-2211C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
42	IC-FT-2206C	FT-2206C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
43	IC-PT-2200C	PT-2200C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
44	IC-LT-2200C	LT-2200C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
45	IC-TT-2203C	TT-2203C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
46	IC-TT-2214C	TT-2214C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
47	IC-TT-2215C	TT-2215C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
48	IC-TT-2216C	TT-2216C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
49	IC-TT-2217C	TT-2217C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
50	IC-TT-2218C	TT-2218C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
51	IC-TT-2219C	TT-2219C		1x2x1.5mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
52	MC-JBU-A-2102C	JBU-A-2102C	UCP-2101C	19x2x1mm [^] 2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work		

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض										
		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (فراردا BK-HD-GCS-CO-0008_03)										
شماره پیمان:		INSTRUMENT CABLE LIST							شماره صفحه: 3 از 8			
		پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مترک	سریال				
053 - 073 - 9184		BK	GCS	HY	120	IN	LI	0003	V02			
Item No.	Cable Tag No.	From	To	Cable size	Description		Color	Cable Length (m)	Gland	IS/NIS	Remark	
53	IC-PT-2204C	PT-2204C	JBU-A-2103C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
54	IC-TT-2204C	TT-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
55	IC-PDT-2204C	PDT-2204C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
56	MC-JBU-A-2103C	JBU-A-2103C	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M32	IS	Out of Havayar scope of work	
57	IC-PT-2220C	PT-2220C	JBU-A-2104C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
58	IC-PT-2221C	PT-2221C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
59	IC-LT-2213C	LT-2213C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
60	IC-TT-2213C	TT-2213C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
61	MC-JBU-A-2104C	JBU-A-2104C	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M32	IS	Out of Havayar scope of work	
62	IC-VT-2201C	VT-2201C	JBU-A-2105C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
63	IC-VT-2202C	VT-2202C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
64	IC-XT-2201C	XT-2201C		1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	10	M20	IS	Supply by Havayar	
65	IC-ZT-2200C	ZT-2200C		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	10	M20	N/A	Supply by Havayar	
66	IC-ZT-2201C	ZT-2201C		Special cable	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		N/A	10	M20	N/A	Supply by Havayar	
67	MC-JBU-A-2105C	JBU-A-2105C	UCP-2101C	12x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Blue	Hold	M50	IS	Out of Havayar scope of work	
68	ICJBU-A-2106C	JBU-A-2106C	UCP-2101C	7x3x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M40	NIS	Out of Havayar scope of work Winding RTD cable	
69	MC-LCP-2101C1	LCP-2101C	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
70	MC-LCP-2101C2	LCP-2101C	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
71	MC-LCP-2101C3	LCP-2101C	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
72	MC-LCP-2101C4	LCP-2101C	UCP-2101C	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M50	NIS	Out of Havayar scope of work	
73	MC-LCP-2101C5	LCP-2101C	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
74	MC-MCC-2101C1	UCP-2101C	OIL HEATER MCC Running & Fault	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
75			AUX OIL PUMP MCC Running & Fault									
76			LUBRICATOR HEATER MCC Running & Fault									
77			LUBRICATOR MOTOR MCC Running & Fault									
78			MAIN MOTOR MCC Running & Fault									
79			OIL COOLER MOTOR MCC Running & Fault									
80			MAIN WATER PUMP MOTOR MCC Running & Fault									
81	AUX WATER PUMP MOTOR MCC Running & Fault											
82	MC-MCC-2101C2	UCP-2101C	WATER HEATER MCC Running & Fault	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
83			WATER COOLER MCC Running & Fault									
84			BARRING MOTOR MCC Running & Fault									
85	MC-MCC-2101C3	UCP-2101C	OIL HEATER MCC Start/Stop/ESD	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
86			AUX OIL PUMP MCC Start/Stop/ESD									
87			LUBRICATOR HEATER MCC Start/Stop/ESD									
88			LUBRICATOR MOTOR MCC Start/Stop/ESD									
89	MC-MCC-2101C4	UCP-2101C	MAIN MOTOR MCC Start/Stop/ESD	19x2x1mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work		
90			OIL COOLER MOTOR MCC Start/Stop/ESD									
91			MAIN WATER PUMP MOTOR MCC Start/Stop/ESD									
92			AUX WATER PUMP MOTOR MCC Start/Stop/ESD									
93			WATER HEATER MCC Start/Stop/ESD									
94			WATER COOLER MCC Start/Stop/ESD									
95	BARRING MOTOR MCC Start/Stop/ESD											
96	MC-ESD-2101C	ESD	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
97	MC-DCS-2101C	DCS	UCP-2101C	7x2x1mm ²	CJ,PVC,OSC,PVC,FLAME RETARDANT		Gray	Hold	M32	NIS	Out of Havayar scope of work	
98	IC-PT-2121C	DCS	UCP-2101C	1x2x1.5mm ²	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT		Gray	Hold	M20	NIS	Out of Havayar scope of work Spill Back	

Note1:JBU-A-2101C is out of Havayar scope of work.