



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض

خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)



شماره پیمان:

053 - 073 - 9184

INSTRUMENT CABLE LIST

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	بسته کاری	پروژه
V03	0003	LI	IN	120	HY	GCS	BK

شماره صفحه: 1 از 11

طرح نگهداشت و افزایش تولید ۲۷ مخزن

INSTRUMENT CABLE LIST

نگهداشت و افزایش تولید میدان نفتی بینک

Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval
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	IFI	Havayar Co	M.Fakharian	M.Mehrshad	

CLIENT Doc. Number:

status

IFR: Issued For Review

IFA: Issued For Approval

IFI: Issued For Information

AFC: Approved For Construction

 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: 2 از 11
	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	
	V03	0003	LI	IN	120	HY	
	پرورده						
	BK	GCS	HY	120	IN	LI	0003

REVISION RECORD SHEET											
Page	V00	V01	V02	V03	V04	Page	V00	V01	V02	V03	V04
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2	X	X	X	X		66					
3	X	X	X	X		67					
4	X	X	X	X		68					
5	X	X	X	X		69					
6	X	X	X	X		70					
7	X	X	X	X		71					
8	X	X	X	X		72					
9				X		73					
10				X		74					
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		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض										
		خرید بکج های کمپرسور گاز (رقت و برگشتی) بینک (فرارند 03 BK-HD-GCS-CO-0008)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه		بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره مرج 111	
053 - 073 – 9184		BK	GCS	HY		I20	IN	LI	0003	V03		
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 ²	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	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
8	IC-C-TS-2194A	C-TS-2194A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
9	IC-C-PS-2133A	C-PS-2133A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
10	IC-C-PS-2204A	C-PS-2204A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
11	IC-C-PS-2220A	C-PS-2220A		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
12	MC-JBU-D-2101A	JBU-D-2101A	UCP-2101A	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	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-PCYZ-2123A	PCYZ-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-2214A	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	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
31	IC-C-TE-2217A	C-TE-2217A	C-TT-22117A	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-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		
35	IC-C-TT-2194A	C-TT-2194A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
36	IC-C-PT-2201A	C-PT-2201A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
37	IC-C-PT-2210A	C-PT-2210A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
38	IC-C-PT-2211A	C-PT-2211A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
39	IC-C-FT-2206A	C-FT-2206A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
40	IC-C-PT-2209A	C-PT-2209A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
41	IC-C-LT-2200A	C-LT-2200A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
42	IC-C-TT-2203A	C-TT-2203A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
43	IC-C-TT-2214A	C-TT-2214A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
44	IC-C-TT-2215A	C-TT-2215A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
45	IC-C-TT-2216A	C-TT-2216A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
46	IC-C-TT-2217A	C-TT-2217A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
47	IC-C-TT-2218A	C-TT-2218A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
48	IC-C-TT-2219A	C-TT-2219A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
49	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)		
50	IC-C-PT-2204A	C-PT-2204A	JBU-A-2102A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
51	IC-C-TT-2204A	C-TT-2204A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
52	IC-C-PDT-2204A	C-PDT-2204A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
53	MC-JBU-A-2102A	JBU-A-2102A	UCP-2101A	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)		
54	IC-C-PT-2220A	C-PT-2220A	JBU-A-2103A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
55	IC-C-PT-2221A	C-PT-2221A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
56	IC-C-LT-2213A	C-LT-2213A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
57	IC-C-TT-2213A	C-TT-2213A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
58	MC-JBU-A-2103A	JBU-A-2103A	UCP-2101A	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)		
59	IC-C-VT-2201A	C-VT-2201A	JBU-A-2104A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
60	IC-C-VT-2202A	C-VT-2202A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
61	IC-C-XT-2201A	C-XT-2201A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
62	IC-C-ZT-2200A	C-ZT-2200A		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
63	IC-C-ZT-2201A	C-ZT-2201A		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
64	MC-JBU-A-2104A	JBU-A-2104A	UCP-2101A	12x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)		

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض							 HAVAYAR INDUSTRIAL GROUP		
		خرید پکیج های کمپرسور گاز (رگت و برگشتی) بینک (BK-HD-GCS-CO-0008_03 قرارداد)									
		INSTRUMENT CABLE LIST									
شماره پیمان:										شماره صفحه: 11 از 5	
053 - 073 – 9184		BK	GCS	HY	120	IN	L1	0003	V03		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
101	*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)	
102			UCP-2101A MAIN WATER PUMP Stop Command								
103			UCP-2101A MAIN WATER PUMP Start Command								
104			UCP-2101A MAIN WATER PUMP Running Status								
105			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 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)	
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-MCC-2101A13	Client IRP	UCP-2101A WATER COOLER B 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)	
132			UCP-2101A WATER COOLER B Stop Command								
133			UCP-2101A WATER COOLER B Start Command								
134			UCP-2101A WATER COOLER B Running Status								
135			UCP-2101A WATER COOLER B Fault Status								
136	MC-ESD-2101A	ESD	UCP-2101A	7x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)	
137	MC-DCS-2101A	DCS	UCP-2101A	12x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)	
138	IC-PT-2121A	DCS	UCP-2101A	1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back	

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و انبیه تحت الارض							 HAVAYAR INDUSTRIAL GROUP							
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		INSTRUMENT CABLE LIST														
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 11 از 6						
053 - 073 - 9184		BK	GCS	HY	128	IN	LI	0003	V83							
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	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
2	IC-C-PSOV-2202B		C-PSOV-2202B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
3	IC-C-PSOV-2203B		C-PSOV-2203B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
4	IC-C-PSOV-2204B		C-PSOV-2204B	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
5	IC-C-PSOV-2205B		C-PSOV-2205B	1x2x2.5mm ²	CU,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	CU,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	1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
8	IC-C-TS-2194B	C-TS-2194B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
9	IC-C-PS-2133B	C-PS-2133B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
10	IC-C-PS-2204B	C-PS-2204B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
11	IC-C-PS-2220B	C-PS-2220B		1x2x2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar						
12	MC-JBU-D-2101B	JBU-D-2101B	UCP-2101B	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)						
13	IC-FT-2121B	FT-2121B	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-2122B	TT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
15	IC-PDT-2122B	PDT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
16	IC-PT-2123B	PT-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
17	IC-TT-2123B	TT-2123B		12core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)						
18	IC-PT-2124B	PT-2124B														
19	IC-FT-2131B	FT-2131B														
20	IC-TT-2132B	TT-2132B														
21	IC-PT-2132B	PT-2132B														
22	IC-PDT-2132B	PDT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
23	IC-TT-2133B	TT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
24	IC-PT-2133B	PT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
25	IC-PCVY-2123B	PCVY-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item						
26	IC-PCYZ-2123B	PCYZ-2123B		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-2101B	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-2214B	C-TE-2214B	C-TT-2214B	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
29	IC-C-TE-2215B	C-TE-2215B	C-TT-2214B	1x3x1.5mm ²	CU,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	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
31	IC-C-TE-2217B	C-TE-2217B	C-TT-22117B	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-TT-2191B	C-TT-2191B	JBU-A-2101B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
35	IC-C-TT-2194B	C-TT-2194B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar						
36	IC-C-PT-2201B	C-PT-2201B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
37	IC-C-PT-2210B	C-PT-2210B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
38	IC-C-PT-2211B	C-PT-2211B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
39	IC-C-FT-2206B	C-FT-2206B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
40	IC-C-PT-2200B	C-PT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
41	IC-C-LT-2200B	C-LT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
42	IC-C-TT-2203B	C-TT-2203B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
43	IC-C-TT-2214B	C-TT-2214B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
44	IC-C-TT-2215B	C-TT-2215B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
45	IC-C-TT-2216B	C-TT-2216B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
46	IC-C-TT-2217B	C-TT-2217B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
47	IC-C-TT-2218B	C-TT-2218B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
48	IC-C-TT-2219B	C-TT-2219B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
49	MC-JBU-A-2101B	JBU-A-2101B	UCP-2101B	19x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)						
50	IC-C-PT-2204B	C-PT-2204B	JBU-A-2102B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
51	IC-C-TT-2204B	C-TT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
52	IC-C-PDT-2204B	C-PDT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
53	MC-JBU-A-2102B	JBU-A-2102B	UCP-2101B	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)						
54	IC-C-PT-2220B	C-PT-2220B	JBU-A-2103B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
55	IC-C-PT-2221B	C-PT-2221B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
56	IC-C-LT-2213B	C-LT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
57	IC-C-TT-2213B	C-TT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
58	MC-JBU-A-2103B	JBU-A-2103B	UCP-2101B	7x2x1mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)						
59	IC-C-VT-2201B	C-VT-2201B	JBU-A-2104B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
60	IC-C-VT-2202B	C-VT-2202B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
61	IC-C-XT-2201B	C-XT-2201B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar						
62	IC-C-ZT-2200B	C-ZT-2200B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar						
63	IC-C-ZT-2201B	C-ZT-2201B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar						
64	MC-JBU-A-2104B	JBU-A-2104B	UCP-2101B	12x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)						

 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 03_0008-BK-HD-GCS-CO)									
شماره پیمان:		INSTRUMENT CABLE LIST									
		پروژه	بسته کاری	صناعتکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 11 از 7	
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V03		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
56	IC-M-2101-A	M-2101-A Motor Aux JB	UCP-2101B	7x3x1.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran) Winding RTD cable	
66	MC-LCP-2101B1	LCP-2101B	UCP-2101B	19x2x1mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
67	MC-LCP-2101B2	LCP-2101B	UCP-2101B	19x2x1mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
68	MC-LCP-2101B3	LCP-2101B	UCP-2101B	19x2x1mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
69	MC-LCP-2101B4	LCP-2101B	UCP-2101B	19x2x1mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M50	NIS	Out of Havayar scope of work (By Hiran)	
70	MC-LCP-2101B8	LCP-2101B	UCP-2101B	3x2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
71	MC-MCC-2101B1	Client IRP	UCP-2101B OIL HEATER ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
72			UCP-2101B OIL HEATER Stop Command								
73			UCP-2101B OIL HEATER Start Command								
74			UCP-2101B OIL HEATER Running Status								
75			UCP-2101B OIL HEATER Fault Status								
76	MC-MCC-2101B2	Client IRP	UCP-2101B AUX OIL PUMP ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
77			UCP-2101B AUX OIL PUMP Stop Command								
78			UCP-2101B AUX OIL PUMP Start Command								
79			UCP-2101B AUX OIL PUMP Running Status								
80			UCP-2101B AUX OIL PUMP Fault Status								
81	MC-MCC-2101B3	Client IRP	UCP-2101B LUBRICATOR HEATER ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
82			UCP-2101B LUBRICATOR HEATER Stop Command								
83			UCP-2101B LUBRICATOR HEATER Start Command								
84			UCP-2101B LUBRICATOR HEATER Running Status								
85			UCP-2101B LUBRICATOR HEATER Fault Status								
86	MC-MCC-2101B4	Client IRP	UCP-2101B LUBRICATOR MOTOR ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
87			UCP-2101B LUBRICATOR MOTOR Stop Command								
88			UCP-2101B LUBRICATOR MOTOR Start Command								
89			UCP-2101B LUBRICATOR MOTOR Running Status								
90			UCP-2101B LUBRICATOR MOTOR Fault Status								
91	MC-MCC-2101B5	Client IRP	UCP-2101B MAIN MOTOR ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
92			UCP-2101B MAIN MOTOR Stop Command								
93			UCP-2101B MAIN MOTOR Start Command								
94			UCP-2101B MAIN MOTOR Running Status								
95			UCP-2101B MAIN MOTOR Fault Status								
96	MC-MCC-2101B6	Client IRP	UCP-2101B OIL COOLER MOTOR A ESD Command	12core X 2.5mm²2	CJ,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)	
97			UCP-2101B OIL COOLER MOTOR A Stop Command								
98			UCP-2101B OIL COOLER MOTOR A Start Command								
99			UCP-2101B OIL COOLER MOTOR A Running Status								
100			UCP-2101B OIL COOLER MOTOR A Fault Status								

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض										
		خرید پکیج های کمپرسور گاز (رقت و برگشتی) بینک (BK-HD-GCS-CO-0008_03 قرارداد)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	بسته کاری	صنایع کننده	تسهیلات	رشته	نوع مدرک	مربال	نسخه	شماره صفحه: 11/8		
053 - 073 – 9184		BK	GCS	HY	120	IN	LI	0003	V/03			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
101	*MC-MCC-210187	Client IRP	UCP-21018 MAIN WATER 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)		
102			UCP-21018 MAIN WATER PUMP Stop Command									
103			UCP-21018 MAIN WATER PUMP Start Command									
104			UCP-21018 MAIN WATER PUMP Running Status									
105			UCP-21018 MAIN WATER PUMP Fault Status									
106	*MC-MCC-210188	Client IRP	UCP-21018 AUX WATER 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)		
107			UCP-21018 AUX WATER PUMP Stop Command									
108			UCP-21018 AUX WATER PUMP Start Command									
109			UCP-21018 AUX WATER PUMP Running Status									
110			UCP-21018 AUX WATER PUMP Fault Status									
111	*MC-MCC-210189	Client IRP	UCP-21018 WATER 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)		
112			UCP-21018 WATER HEATER Stop Command									
113			UCP-21018 WATER HEATER Start Command									
114			UCP-21018 WATER HEATER Running Status									
115			UCP-21018 WATER HEATER Fault Status									
116	*MC-MCC-2101810	Client IRP	UCP-21018 WATER COOLER 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)		
117			UCP-21018 WATER COOLER A Stop Command									
118			UCP-21018 WATER COOLER A Start Command									
119			UCP-21018 WATER COOLER A Running Status									
120			UCP-21018 WATER COOLER A Fault Status									
121	*MC-MCC-2101811	Client IRP	UCP-21018 BARRING 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)		
122			UCP-21018 BARRING MOTOR Stop Command									
123			UCP-21018 BARRING MOTOR Start Command									
124			UCP-21018 BARRING MOTOR Running Status									
125			UCP-21018 BARRING MOTOR Fault Status									
126	*MC-MCC-2101812	Client IRP	UCP-21018 OIL COOLER MOTOR B	12core X 2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M25	NIS	Out of Havayar scope of work (By Hiran)		
127			UCP-21018 OIL COOLER MOTOR B Stop Command									
128			UCP-21018 OIL COOLER MOTOR B Start Command									
129			UCP-21018 OIL COOLER MOTOR B Running Status									
130			UCP-21018 OIL COOLER MOTOR B Fault Status									
131	*MC-MCC-2101813	Client IRP	UCP-21018 WATER COOLER B 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)		
132			UCP-21018 WATER COOLER B Stop Command									
133			UCP-21018 WATER COOLER B Start Command									
134			UCP-21018 WATER COOLER B Running Status									
135			UCP-21018 WATER COOLER B Fault Status									
136	MC-ESD-21018	ESD	UCP-21018	7x2x1mm*2	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)		
137	MC-DCS-21018	DCS	UCP-21018	12x2x1mm*2	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)		
138	IC-PT-21218	DCS	UCP-21018	1x2x1.5mm*2	CU,PVC,OSC,SWA,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 ابنیه تحت الارض							 HAVAYAR INDUSTRIAL GROUP			
		خرید پکیج های کمپرسور گاز (رغت و برگشتی) بینک (فراردهد 03_0008-GCS-HD-BK)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	پسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 11 از 9		
053 - 073 – 9184		BK	GCS	HY	I20	IN	LI	0003	V03			
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	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
2	IC-C-PSOV-2202C		C-PSOV-2202C	1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
3	IC-C-PSOV-2203C		C-PSOV-2203C	1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
4	IC-C-PSOV-2204C		C-PSOV-2204C	1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
5	IC-C-PSOV-2205C		C-PSOV-2205C	1x2x2.5mm*2	CU,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	CU,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	1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
8	IC-C-TS-2194C	C-TS-2194C		1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
9	IC-C-PS-2133C	C-PS-2133C		1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
10	IC-C-PS-2204C	C-PS-2204C		1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
11	IC-C-PS-2220C	C-PS-2220C		1x2x2.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	10	M20	NIS	Supply by Havayar		
12	MC-JBU-D-2101C	JBU-D-2101C	UCP-2101C	7x2x1mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)		
13	IC-FT-2121C	FT-2121C	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-2122C	TT-2122C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
15	IC-PDT-2122C	PDT-2122C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
16	IC-PT-2123C	PT-2123C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
17	IC-TT-2123C	TT-2123C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
18	IC-PT-2124C	PT-2124C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
19	IC-FT-2131C	FT-2131C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
20	IC-TT-2132C	TT-2132C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
21	IC-PT-2132C	PT-2132C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
22	IC-PDT-2132C	PDT-2132C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
23	IC-TT-2133C	TT-2133C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
24	IC-PT-2133C	PT-2133C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
25	IC-PCVY-2123C	PCVY-2123C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar Loose item		
26	IC-PCYZ-2123C	PCYZ-2123C		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-2101C	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-2214C	C-TE-2214C	C-TT-2214C	1x3x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
29	IC-C-TE-2215C	C-TE-2215C	C-TT-2214C	1x3x1.5mm*2	CU,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	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
31	IC-C-TE-2217C	C-TE-2217C	C-TT-22117C	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-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-TT-2191C	C-TT-2191C	JBU-A-2101C	1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
35	IC-C-TT-2194C	C-TT-2194C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	20	M20	IS	Supply by Havayar		
36	IC-C-PT-2201C	C-PT-2201C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
37	IC-C-PT-2210C	C-PT-2210C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
38	IC-C-PT-2211C	C-PT-2211C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
39	IC-C-FT-2206C	C-FT-2206C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
40	IC-C-PT-2209C	C-PT-2209C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
41	IC-C-LT-2200C	C-LT-2200C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
42	IC-C-TT-2203C	C-TT-2203C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
43	IC-C-TT-2214C	C-TT-2214C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
44	IC-C-TT-2215C	C-TT-2215C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
45	IC-C-TT-2216C	C-TT-2216C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
46	IC-C-TT-2217C	C-TT-2217C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
47	IC-C-TT-2218B	C-TT-2218B		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
48	IC-C-TT-2219C	C-TT-2219C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
49	MC-JBU-A-2101C	JBU-A-2101C	UCP-2101C	19x2x1mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)		
50	IC-C-PT-2204C	C-PT-2204C	JBU-A-2102C	1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
51	IC-C-TT-2204C	C-TT-2204C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
52	IC-C-PDT-2204C	C-PDT-2204C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
53	MC-JBU-A-2102C	JBU-A-2102C	UCP-2101C	7x2x1mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)		
54	IC-C-PT-2220C	C-PT-2220C	JBU-A-2103C	1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
55	IC-C-PT-2221C	C-PT-2221C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
56	IC-C-LT-2213C	C-LT-2213C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
57	IC-C-TT-2213C	C-TT-2213C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
58	MC-JBU-A-2103C	JBU-A-2103C	UCP-2101C	7x2x1mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M32	IS	Out of Havayar scope of work (By Hiran)		
59	IC-C-VT-2201C	C-VT-2201C	JBU-A-2104C	1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
60	IC-C-VT-2202C	C-VT-2202C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
61	IC-C-VT-2201C	C-VT-2201C		1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	10	M20	IS	Supply by Havayar		
62	IC-C-ZT-2200C	C-ZT-2200C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
63	IC-C-ZT-2201C	C-ZT-2201C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	10	M20	N/A	Supply by Havayar		
64	MC-JBU-A-2104C	JBU-A-2104C	UCP-2101C	12x3x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Blue	Hold	M50	IS	Out of Havayar scope of work (By Hiran)		

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض								 HAVAYAR INDUSTRIAL GROUP		
		خرید پکیج های کمپرسور گاز (رقت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)										
		INSTRUMENT CABLE LIST										
شماره پیمان:		پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 11/11		
053 - 073 - 9184		BK	GCS	HY	120	IN	LI	0003	V03			
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
101	*MC-MCC-2101C7	Client IRP	UCP-2101C MAIN WATER 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)		
102			UCP-2101C MAIN WATER PUMP Stop Command									
103			UCP-2101C MAIN WATER PUMP Start Command									
104			UCP-2101C MAIN WATER PUMP Running Status									
105			UCP-2101C MAIN WATER PUMP Fault Status									
106	*MC-MCC-2101C8	Client IRP	UCP-2101C AUX WATER 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)		
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 2.5mm*2	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 2.5mm*2	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 2.5mm*2	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	12core X 2.5mm*2	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-MCC-2101C13	Client IRP	UCP-2101C WATER COOLER B 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)		
132			UCP-2101C WATER COOLER B Stop Command									
133			UCP-2101C WATER COOLER B Start Command									
134			UCP-2101C WATER COOLER B Running Status									
135			UCP-2101C WATER COOLER B Fault Status									
136	MC-ESD-2101C	ESD	UCP-2101C	7x2x1mm*2	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M32	NIS	Out of Havayar scope of work (By Hiran)		
137	MC-DCS-2101C	DCS	UCP-2101C	12x2x1mm*2	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	Hold	M40	NIS	Out of Havayar scope of work (By Hiran)		
138	IC-PT-2121C	DCS	UCP-2101C	1x2x1.5mm*2	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	Hold	M20	NIS	Out of Havayar scope of work (By Hiran) Spill Back		