

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض								
	خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (فراردااد 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		پروژه
	V07	0003	LI	IN	120	HY	GCS		BK
طرح نگهداشت و افزایش تولید ۲۷ مخزن									
INSTRUMENT CABLE LIST نگهداشت و افزایش تولید میدان نفتی بینک									
V07	NoV.2024	AFC	Havayar Co.	M.Fakharian	M.SADEGHIAN				
V06	Agus.2024	AFC	Havayar Co.	M.Fakharian	M.SADEGHIAN				
V05	Jun.2024	AFC	Havayar Co.	M.Fakharian	M.SADEGHIAN				
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	S.Faramarzpour				
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval			
		CLIENT Doc. Number:							
status: IFA: Issued For Approval IFR: Issued For Review 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		بسته کاری
	V07	0003	LI	IN	120	HY	GCS	BK

REVISION RECORD SHEET									
Page	V00	V01	V02	V03	V04	Page	V05	V06	V07
1	X	X	X	X	X	1	X	X	X
2	X	X	X	X	X	2	X	X	X
3	X	X	X	X	X	3	X	X	X
4	X	X	X	X	X	4	X	X	X
5	X	X	X	X	X	5	X	X	X
6	X	X	X	X	X	6	X	X	X
7	X	X	X	X	X	7	X	X	X
8	X	X	X	X	X	8	X	X	X
9					X	9	X	X	X
10					X	10	X	X	X
11					X	11	X	X	X
12						12			
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	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و آبنمای تحت الارض خرید پکیج 14 کمپرسور گاز (رقت و برکشتی) بینک (BK-HD-GCS-CO-0008_03 قرارداد)											
شماره پیمان:	INSTRUMENT CABLE LIST										شماره صفحه: 3 از 11	
	پروژه	پشته کاری	هواکننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه				
053 - 073 - 9184	BK	GCS	HY	120	IN	L4	0003	V07				
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 Red Strip	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 Red Strip	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 Red Strip	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 Red Strip	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 Red Strip	10	M20	NIS	Supply by Havayar		
6	MC-JBU-S-2101A	UCP-2101A	JBU-S-2101A	7x2x2.5mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray Red Strip	..	M40	NIS	Out of Havayar scope of work (By Hergen)		
7	IC-C-TS-2191A	C-TS-2191A	JBU-D-2101A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	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 Red Strip	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 Red Strip	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 Red Strip	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 Red Strip	10	M20	NIS	Supply by Havayar		
12	MC-JBU-D-2101A	JBU-D-2101A	UCP-2101A	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FIRE RESISTANT	Gray Red Strip	..	M32	NIS	Out of Havayar scope of work (By Hergen)		
13	IC-FT-2121A	FT-2121A	JBU-A-2101 (Hergen JB)	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
14	IC-TT-2122A	TT-2122A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
15	IC-PDT-2122A	PDT-2122A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
16	IC-PT-2123A	PT-2123A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
17	IC-TT-2123A	TT-2123A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
18	IC-PT-2124A	PT-2124A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
19	IC-FT-2131A	FT-2131A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
20	IC-TT-2132A	TT-2132A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
21	IC-PT-2132A	PT-2132A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
22	IC-PDT-2132A	PDT-2132A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
23	IC-TT-2133A	TT-2133A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
24	IC-PT-2133A	PT-2133A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
25	IC-PCVY-2123A	PCVY-2123A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
26	IC-PCVY-2123A	PCVY-2123A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item		
27	MC-JBU-A-2101	JBU-A-2101	UCP-2101A	15x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M50	IS	Out of Havayar scope of work (By Hergen)		
28	IC-C-TE-2214A	C-TE-2214A	C-TT-2214A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
29	IC-C-TE-2215A	C-TE-2215A	C-TT-2215A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
30	IC-C-TE-2216A	C-TE-2216A	C-TT-2216A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
31	IC-C-TE-2217A	C-TE-2217A	C-TT-2217A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
32	IC-C-TE-2218A	C-TE-2218A	C-TT-2218A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
33	IC-C-TE-2219A	C-TE-2219A	C-TT-2219A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar		
34	IC-C-TE-2220A	C-TE-2220A	C-TT-2220A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	..	M20	IS	Supply by Havayar		
35	IC-C-TE-2221A	C-TE-2220A	C-TT-2220A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	..	M20	IS	Supply by Havayar		
36	IC-C-TT-2203A	C-TT-2203A	JBU-A-2101A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
37	IC-C-TT-2213A	C-TT-2213A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar		
38	IC-C-PT-2204A	C-PT-2204A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
39	IC-C-PT-2220A	C-PT-2220A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar		
40	IC-C-LT-2213A	C-LT-2213A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar		
41	IC-C-TT-2221A	C-TT-2221A	JBU-A-2104A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
42	IC-C-TT-2191A	C-TT-2191A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
43	IC-C-TT-2194A	C-TT-2194A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar		
44	MC-JBU-A-2101A	JBU-A-2101A		UCP-2101A	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayar scope of work (By Hergen)	
45	IC-C-PT-2201A	C-PT-2201A	JBU-A-2104A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
46	IC-C-PT-2210A	C-PT-2210A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
47	IC-C-PT-2211A	C-PT-2211A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
48	IC-C-PT-2212A	C-PT-2212A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
49	IC-C-PT-2200A	C-PT-2200A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
50	IC-C-LT-2200A	C-LT-2200A	JBU-A-2104A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
51	IC-C-FT-2206A	C-FT-2206A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
52	IC-C-TT-2204A	C-TT-2204A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
53	IC-C-PDT-2204A	C-PDT-2204A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar		
54	MC-JBU-A-2104A	JBU-A-2104A	UCP-2101A	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayar scope of work (By Hergen)		
55	IC-C-ZT-2200A	C-ZT-2200A	JBU-A-2102A	Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar		
56	IC-C-ZT-2201A	C-ZT-2201A		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar		
57	IC-C-XT-2200A	C-XT-2200A		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayar		
58	MC-JBU-A-2102A	JBU-A-2102A	UCP-2101A	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayar scope of work (By Hergen)		

		نگهداشت و افزایش تولید میدان نفتی بینک سطح ارض و آبنمای تحت ارض									
		خرید پکیج های کمپرسور گاز (رانت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)									
		INSTRUMENT CABLE LIST									
شماره پیمان:		پروژه	پیمانه کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 5 از 11	
053 - 073 – 9184		BK	GCS	HV	120	IN	L1	0003	V07		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
113	*MC-MCC-2101A7	Client IRP	UCP-2101A MAIN WATER PUMP ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
114			UCP-2101A MAIN WATER PUMP Stop Command								
115			UCP-2101A MAIN WATER PUMP Start Command								
116			UCP-2101A MAIN WATER PUMP Running Status								
117			UCP-2101A MAIN WATER PUMP Fault Status								
118	*MC-MCC-2101A8	Client IRP	UCP-2101A AUX WATER PUMP ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
119			UCP-2101A AUX WATER PUMP Stop Command								
120			UCP-2101A AUX WATER PUMP Start Command								
121			UCP-2101A AUX WATER PUMP Running Status								
122			UCP-2101A AUX WATER PUMP Fault Status								
123	*MC-MCC-2101A9	Client IRP	UCP-2101A WATER HEATER ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
124			UCP-2101A WATER HEATER Stop Command								
125			UCP-2101A WATER HEATER Start Command								
126			UCP-2101A WATER HEATER Running Status								
127			UCP-2101A WATER HEATER Fault Status								
128	*MC-MCC-2101A10	Client IRP	UCP-2101A WATER COOLER MOTOR A ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
129			UCP-2101A WATER COOLER MOTOR A Stop Command								
130			UCP-2101A WATER COOLER MOTOR A Start Command								
131			UCP-2101A WATER COOLER MOTOR A Running Status								
132			UCP-2101A WATER COOLER MOTOR A Fault Status								
133	*MC-MCC-2101A11	Client IRP	UCP-2101A BARRING MOTOR ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
134			UCP-2101A BARRING MOTOR Stop Command								
135			UCP-2101A BARRING MOTOR Start Command								
136			UCP-2101A BARRING MOTOR Running Status								
137			UCP-2101A BARRING MOTOR Fault Status								
138	*MC-MCC-2101A12	Client IRP	UCP-2101A OIL COOLER MOTOR B ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
139			UCP-2101A OIL COOLER MOTOR B Stop Command								
140			UCP-2101A OIL COOLER MOTOR B Start Command								
141			UCP-2101A OIL COOLER MOTOR B Running Status								
142			UCP-2101A OIL COOLER MOTOR B Fault Status								
143	*MC-MCC-2101A13	Client IRP	UCP-2101A WATER COOLER MOTOR B ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)	
144			UCP-2101A WATER COOLER MOTOR B Stop Command								
145			UCP-2101A WATER COOLER MOTOR B Start Command								
146			UCP-2101A WATER COOLER MOTOR B Running Status								
147			UCP-2101A WATER COOLER MOTOR B Fault Status								
148	MC-ESD-2101A	ESD	UCP-2101A	7x2x1mm ²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayar scope of work (By Hergen)	
149	MC-DCS-2101A	DCS	UCP-2101A	12x2x1mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayar scope of work (By Hergen)	
150	IC-P1-2101A	DCS	UCP-2101A	1x2x1.5mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayar scope of work (By Hergen) Spill Back	
151	IC-VS-2205A	VS-2205A	JBU-D-2102A	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item	
152	IC-VS-2206A	VS-2206A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item	
153	IC-VS-2207A	VS-2207A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item	
154	IC-VS-2208A	VS-2208A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item	
155	IC-C-X250-2225A	C-X250-2225A		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item	
156	MC-JBU-D-2102A	JBU-D-2102A	UCP-2101A	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayar scope of work (By Hergen)	

		نگهداشت و افزایش تولید میدان نفتی بینک منطقه الارض و آبپه تحت الارض خرید کبیج های کمپرسور گاز (رقت و برقتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)								
شماره پیمان:		INSTRUMENT CABLE LIST								
پروژه		بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدبرک	سریال	نسخه	شماره صفحه: 6 از 11	
053 - 073 - 9184		BK	GCS	HY	128	IN	L1	0003	V107	
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	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
2	IC-C-PSOV-2202B		C-PSOV-2202B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
3	IC-C-PSOV-2203B		C-PSOV-2203B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
4	IC-C-PSOV-2204B		C-PSOV-2204B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
5	IC-C-PSOV-2205B		C-PSOV-2205B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
6	MC-JBU-S-2101B	UCP-2101B	JBU-S-2101B	7x2x1.5mm ³	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Gray Red Strip	...	M40	NIS	Out of Havayar scope of work (By Hiran)
7	IC-C-TS-2191B	C-TS-2191B	JBU-D-2101B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
8	IC-C-TS-2194B	C-TS-2194B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
9	IC-C-P5-2133B	C-P5-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
10	IC-C-P5-2204B	C-P5-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
11	IC-C-P5-2220B	C-P5-2220B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayar
12	MC-JBU-D-2101B	JBU-D-2101B	UCP-2101B	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FIRE RESISTANT	Gray Red Strip	...	M32	NIS	Out of Havayar scope of work (By Hiran)
13	IC-FT-2121B	FT-2121B	JBU-A-2102 (Hiran JB)	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
14	IC-TT-2122B	TT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
15	IC-POT-2122B	POT-2122B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
16	IC-PT-2123B	PT-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
17	IC-TT-2123B	TT-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
18	IC-PT-2124B	PT-2124B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
19	IC-FT-2131B	FT-2131B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
20	IC-TT-2132B	TT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
21	IC-PT-2132B	PT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
22	IC-POT-2132B	POT-2132B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
23	IC-TT-2133B	TT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
24	IC-PT-2133B	PT-2133B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
25	IC-POV-2123B	POV-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
26	IC-PCVZ-2123B	PCVZ-2123B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayar Loose Item
27	MC-JBU-A-2102	JBU-A-2102	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Light Blue	...	M50	IS	Out of Havayar scope of work (By Hiran)
28	IC-C-TE-2214B	C-TE-2214B	C-TT-2214B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
29	IC-C-TE-2215B	C-TE-2215B	C-TT-2215B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
30	IC-C-TE-2216B	C-TE-2216B	C-TT-2216B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
31	IC-C-TE-2217B	C-TE-2217B	C-TT-2217B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
32	IC-C-TE-2218B	C-TE-2218B	C-TT-2218B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
33	IC-C-TE-2219B	C-TE-2219B	C-TT-2219B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
34	IC-C-TE-2220B	C-TE-2220B	C-TT-2220B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	...	M20	IS	Supply by Havayar
35	IC-C-TE-2221B	C-TE-2221B	C-TT-2221B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	...	M20	IS	Supply by Havayar
36	IC-C-TT-2203B	C-TT-2203B	JBU-A-2101B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
37	IC-C-TT-2213B	C-TT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar
38	IC-C-PT-2204B	C-PT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
39	IC-C-PT-2220B	C-PT-2220B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar
40	IC-C-LT-2213B	C-LT-2213B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar
41	IC-C-TT-2221B	C-TT-2221B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
42	IC-C-TT-2191B	C-TT-2191B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
43	IC-C-TT-2194B	C-TT-2194B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayar
44	MC-JBU-A-2101B	JBU-A-2101B	UCP-2101B	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Light Blue	...	M40	IS	Out of Havayar scope of work (By Hiran)
45	IC-C-PT-2201B	C-PT-2201B	JBU-A-2104B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
46	IC-C-PT-2210B	C-PT-2210B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
47	IC-C-PT-2211B	C-PT-2211B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
48	IC-C-PT-2212B	C-PT-2212B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
49	IC-C-PT-2206B	C-PT-2206B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
50	IC-C-LT-2200B	C-LT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
51	IC-C-FT-2206B	C-FT-2206B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
52	IC-C-TT-2204B	C-TT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
53	IC-C-POT-2204B	C-POT-2204B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayar
54	MC-JBU-A-2104B	JBU-A-2104B	UCP-2101B	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Light Blue	...	M40	IS	Out of Havayar scope of work (By Hiran)
55	IC-C-ZT-2200B	C-ZT-2200B	JBU-A-2102B	Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar
56	IC-C-ZT-2201B	C-ZT-2201B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayar
57	IC-C-XT-2200B	C-XT-2200B		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayar
58	MC-JBU-A-2102B	JBU-A-2102B	UCP-2101B	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Light Blue	...	M40	IS	Out of Havayar scope of work (By Hiran)
59	IC-C-TT-2214B	C-TT-2214B	JBU-A-2103B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar Bearing DE
60	IC-C-TT-2215B	C-TT-2215B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar Bearing NDE
61	IC-C-TT-2216B	C-TT-2216B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
62	IC-C-TT-2217B	C-TT-2217B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
63	IC-C-TT-2218B	C-TT-2218B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
64	IC-C-TT-2219B	C-TT-2219B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
65	IC-C-TT-2220B	C-TT-2220B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
66	IC-C-TT-2221B	C-TT-2221B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	20	M20	IS	Supply by Havayar
67	IC-C-VT-2200B	C-VT-2200B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
68	IC-C-VT-2201B	C-VT-2201B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
69	IC-C-VT-2202B	C-VT-2202B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayar
70	MC-JBU-A-2103B	JBU-A-2103B	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FIRE RESISTANT	Light Blue Red Strip	...	M50	IS	Out of Havayar scope of work (By Hiran)
71	IC-M-2101-A	M-2101-A Motor Aux JB	UCP-2101B	12x3x1.5mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Black	...	M50	NIS	Out of Havayar scope of work (By Hiran Electrical) Winding RTD cable
72	MC-LCP-2101B1	LCP-2101B	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Gray	...	M50	NIS	Out of Havayar scope of work (By Hiran)
73	MC-LCP-2101B2	LCP-2101B	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Gray	...	M50	NIS	Out of Havayar scope of work (By Hiran)
74	MC-LCP-2101B3	LCP-2101B	UCP-2101B	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath, PVC,FLAME RETARDANT	Gray	...	M50	NIS	Out of Havayar scope of work (By Hiran)

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 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و آبپاش تحت الارض خرید پکیج های کمپرسور گاز (رگت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)							 HAVAYAR HOSPITAL GROUP			
شماره پیمان:		INSTRUMENT CABLE LIST									شماره صفحه: 8 از 11	
پروژه	پشته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه					
053 - 073 - 9184	BK	GCS	HY	128	IN	LI	8883	V87				
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark		
123	*MC-MCC-2101B9	Client IRP	UCP-2101B WATER HEATER ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)		
124			UCP-2101B WATER HEATER Stop Command									
125			UCP-2101B WATER HEATER Start Command									
126			UCP-2101B WATER HEATER Running Status									
127			UCP-2101B WATER HEATER Fault Status									
128	*MC-MCC-2101B10	Client IRP	UCP-2101B WATER COOLER MOTOR A ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)		
129			UCP-2101B WATER COOLER MOTOR A Stop Command									
130			UCP-2101B WATER COOLER MOTOR A Start Command									
131			UCP-2101B WATER COOLER MOTOR A Running Status									
132			UCP-2101B WATER COOLER MOTOR A Fault Status									
133	*MC-MCC-2101B11	Client IRP	UCP-2101B BARRING MOTOR ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)		
134			UCP-2101B BARRING MOTOR Stop Command									
135			UCP-2101B BARRING MOTOR Start Command									
136			UCP-2101B BARRING MOTOR Running Status									
137			UCP-2101B BARRING MOTOR Fault Status									
138	*MC-MCC-2101B12	Client IRP	UCP-2101B OIL COOLER MOTOR B ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)		
139			UCP-2101B OIL COOLER MOTOR B Stop Command									
140			UCP-2101B OIL COOLER MOTOR B Start Command									
141			UCP-2101B OIL COOLER MOTOR B Running Status									
142			UCP-2101B OIL COOLER MOTOR B Fault Status									
143	*MC-MCC-2101B13	Client IRP	UCP-2101B WATER COOLER MOTOR B ESD Command	12Core X 2.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayar scope of work (By Hergen Electrical Dep)		
144			UCP-2101B WATER COOLER MOTOR B Stop Command									
145			UCP-2101B WATER COOLER MOTOR B Start Command									
146			UCP-2101B WATER COOLER MOTOR B Running Status									
147			UCP-2101B WATER COOLER MOTOR B Fault Status									
148	MC-ESD-2101B	ESD	UCP-2101B	7x2x1mm ²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayar scope of work (By Hergen)		
149	MC-OSC-2101B	DCS	UCP-2101B	12x2x1mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayar scope of work (By Hergen)		
150	IC-PF-2121B	DCS	UCP-2101B	1x2x1.5mm ²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayar scope of work (By Hergen) Split Back		
151	IC-V5-2205B	V5-2205B	JBU-D-2102B	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item		
152	IC-V5-2206B	V5-2206B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item		
153	IC-V5-2207B	V5-2207B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item		
154	IC-V5-2208B	V5-2208B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item		
155	IC-C-K250-2275B	C-K250-2275B		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayar Loose Item		
156	MC-JBU-D-2102B	JBU-D-2102B	UCP-2101B	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath_PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayar scope of work (By Hergen)		

	نگهداشت و افزایش تولید میدان نفتی بینک ساحل ارض و ایستگاه تحت ارض									
	خرید کبچ های کمپرسور گاز (رقت و برگشتی) بینک (فرآیند BK-HD-GCS-CO-0008_03)									
	INSTRUMENT CABLE LIST									
شماره پیمان:	پروژه	پسته کاری	صهار کلنده	تسهیلات	رشته	نوع مترک	سریال	تسکه	شماره صفحه: 9 از 11	
053 - 073 - 9184	BK	GCS	HV	L28	IN	L1	0003	1/07		
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	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
2	IC-C-PSOV-2202C		C-PSOV-2202C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
3	IC-C-PSOV-2203C		C-PSOV-2203C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
4	IC-C-PSOV-2204C		C-PSOV-2204C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
5	IC-C-PSOV-2205C		C-PSOV-2205C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
6	MC-JBU-S-2101C	UCP-2101C	JBU-S-2101C	7x2x1.5mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray Red Strip	..	M40	NIS	Out of Havayer scope of work (By Hiran)
7	IC-C-TS-2191C	C-TS-2191C	JBU-D-2101C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
8	IC-C-TS-2194C	C-TS-2194C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
9	IC-C-P5-2133C	C-P5-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
10	IC-C-P5-2204C	C-P5-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
11	IC-C-P5-2202C	C-P5-2202C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Gray Red Strip	10	M20	NIS	Supply by Havayer
12	MC-JBU-D-2101C	JBU-D-2101C	UCP-2101C	7x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FIRE RESISTANT	Gray Red Strip	..	M32	NIS	Out of Havayer scope of work (By Hiran)
13	IC-FT-2121C	FT-2121C	JBU-A-2103 (Hiran JB)	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
14	IC-TT-2122C	TT-2122C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
15	IC-PDT-2122C	PDT-2122C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
16	IC-PT-2122C	PT-2122C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
17	IC-TT-2123C	TT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
18	IC-PT-2124C	PT-2124C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
19	IC-FT-2123C	FT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
20	IC-TT-2123C	TT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
21	IC-PT-2123C	PT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
22	IC-PDT-2123C	PDT-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
23	IC-TT-2133C	TT-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
24	IC-PT-2133C	PT-2133C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
25	IC-PCV-2123C	PCV-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
26	IC-PCV-2123C	PCV-2123C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	15	M20	IS	Supply by Havayer Loose Item
27	MC-JBU-A-2103	JBU-A-2103	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M50	IS	Out of Havayer scope of work (By Hiran)
28	IC-C-TE-2214C	C-TE-2214C	C-TT-2214C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
29	IC-C-TE-2215C	C-TE-2215C	C-TT-2215C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
30	IC-C-TE-2216C	C-TE-2216C	C-TT-2216C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
31	IC-C-TE-2217C	C-TE-2217C	C-TT-2217C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
32	IC-C-TE-2218C	C-TE-2218C	C-TT-2218C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
33	IC-C-TE-2219C	C-TE-2219C	C-TT-2219C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
34	IC-C-TE-2220C	C-TE-2220C	C-TT-2220C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	..	M20	IS	Supply by Havayer
35	IC-C-TE-2221C	C-TE-2221C	C-TT-2221C	1x3x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	..	M20	IS	Supply by Havayer
36	IC-C-TT-2203C	C-TT-2203C	JBU-A-2101C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
37	IC-C-TT-2213C	C-TT-2213C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayer
38	IC-C-PT-2204C	C-PT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
39	IC-C-PT-2220C	C-PT-2220C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayer
40	IC-C-LT-2213C	C-LT-2213C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayer
41	IC-C-TT-2221C	C-TT-2221C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
42	IC-C-TT-2191C	C-TT-2191C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
43	IC-C-TT-2194C	C-TT-2194C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	20	M20	IS	Supply by Havayer
44	MC-JBU-A-2101C	JBU-A-2101C	UCP-2101C	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayer scope of work (By Hiran)
45	IC-C-PT-2201C	C-PT-2201C	JBU-A-2104C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
46	IC-C-PT-2210C	C-PT-2210C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
47	IC-C-PT-2211C	C-PT-2211C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
48	IC-C-PT-2212C	C-PT-2212C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
49	IC-C-PT-2200C	C-PT-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
50	IC-C-LT-2200C	C-LT-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
51	IC-C-FT-2200C	C-FT-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
52	IC-C-TT-2204C	C-TT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
53	IC-C-PDT-2204C	C-PDT-2204C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Light Blue	10	M20	IS	Supply by Havayer
54	MC-JBU-A-2104C	JBU-A-2104C	UCP-2101C	12x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayer scope of work (By Hiran)
55	IC-C-ZT-2200C	C-ZT-2200C	JBU-A-2102C	Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayer
56	IC-C-ZT-2201C	C-ZT-2201C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8	M20	N/A	Supply by Havayer
57	IC-C-XT-2200C	C-XT-2200C		Special cable	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	N/A	8.5	M20	N/A	Supply by Havayer
58	MC-JBU-A-2102C	JBU-A-2102C	UCP-2101C	7x3x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Light Blue	..	M40	IS	Out of Havayer scope of work (By Hiran)
59	IC-C-TT-2214C	C-TT-2214C	JBU-A-2103C	1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer Beating DE
60	IC-C-TT-2215C	C-TT-2215C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer Beating DE
61	IC-C-TT-2216C	C-TT-2216C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
62	IC-C-TT-2217C	C-TT-2217C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
63	IC-C-TT-2218C	C-TT-2218C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
64	IC-C-TT-2219C	C-TT-2219C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
65	IC-C-TT-2220C	C-TT-2220C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
66	IC-C-TT-2221C	C-TT-2221C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	20	M20	IS	Supply by Havayer
67	IC-C-VI-2200C	C-VI-2200C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
68	IC-C-VI-2201C	C-VI-2201C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
69	IC-C-VI-2202C	C-VI-2202C		1x2x1.5mm ²	CU,PVC,OSC,SWA,PVC,FIRE RESISTANT	Light Blue Red Strip	10	M20	IS	Supply by Havayer
70	MC-JBU-A-2103C	JBU-A-2103C	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FIRE RESISTANT	Light Blue Red Strip	..	M50	IS	Out of Havayer scope of work (By Hiran)
71	IC-H-2101-A	M-2101-A Motor Aux JB	UCP-2101C	12x3x1.5mm ²	CU,PVC,SC,OSC,SWA,PVC,FLAME RETARDANT	Black	..	M50	NIS	Out of Havayer scope of work (By Hiran Electrical) Winding RTD cable
72	MC-LCP-2101C1	LCP-2101C	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray	..	M50	NIS	Out of Havayer scope of work (By Hiran)
73	MC-LCP-2101C2	LCP-2101C	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray	..	M50	NIS	Out of Havayer scope of work (By Hiran)
74	MC-LCP-2101C3	LCP-2101C	UCP-2101C	19x2x1mm ²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray	..	M50	NIS	Out of Havayer scope of work (By Hiran)

 NISOC		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ایستگاه تحت الارض								 HAVAYER INDUSTRIAL GROUP	
		خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (فرآیند BK-HD-GCS-CO-0008_03)									
		INSTRUMENT CABLE LIST									
شماره پیمان:		پروژه	پسته کاری	صهار کننده	تسهیلات	رشته	نوع مدرک	سریال	تسخه	شماره صفحه: 11 از 11	
053 - 073 – 9184		BK	GCS	HV	L20	EN	LI	0003	V07		
Item No.	Cable Tag No.	From	To	Cable size	Description	Color	Cable Length (m)	Gland	IS/NIS	Remark	
123	*MC-MCC-2101C9	Client IRP	UCP-2101C WATER HEATER ESD Command	12Core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayer scope of work (By Hiran Electrical Dep)	
124			UCP-2101C WATER HEATER Stop Command								
125			UCP-2101C WATER HEATER Start Command								
126			UCP-2101C WATER HEATER Running Status								
127			UCP-2101C WATER HEATER Fault Status								
128	*MC-MCC-2101C10	Client IRP	UCP-2101C WATER COOLER MOTOR A ESD Command	12Core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayer scope of work (By Hiran Electrical Dep)	
129			UCP-2101C WATER COOLER MOTOR A Stop Command								
130			UCP-2101C WATER COOLER MOTOR A Start Command								
131			UCP-2101C WATER COOLER MOTOR A Running Status								
132			UCP-2101C WATER COOLER MOTOR A Fault Status								
133	*MC-MCC-2101C11	Client IRP	UCP-2101C BARRING MOTOR ESD Command	12Core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayer scope of work (By Hiran Electrical Dep)	
134			UCP-2101C BARRING MOTOR Stop Command								
135			UCP-2101C BARRING MOTOR Start Command								
136			UCP-2101C BARRING MOTOR Running Status								
137			UCP-2101C BARRING MOTOR Fault Status								
138	*MC-MCC-2101C12	Client IRP	UCP-2101C OIL COOLER MOTOR B ESD Command	12Core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayer scope of work (By Hiran Electrical Dep)	
139			UCP-2101C OIL COOLER MOTOR B Stop Command								
140			UCP-2101C OIL COOLER MOTOR B Start Command								
141			UCP-2101C OIL COOLER MOTOR B Running Status								
142			UCP-2101C OIL COOLER MOTOR B Fault Status								
143	*MC-MCC-2101C13	Client IRP	UCP-2101C WATER COOLER MOTOR B ESD Command	12Core X 2.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Black	-	M25	NIS	Out of Havayer scope of work (By Hiran Electrical Dep)	
144			UCP-2101C WATER COOLER MOTOR B Stop Command								
145			UCP-2101C WATER COOLER MOTOR B Start Command								
146			UCP-2101C WATER COOLER MOTOR B Running Status								
147			UCP-2101C WATER COOLER MOTOR B Fault Status								
148	MC-ESD-2101C	ESD	UCP-2101C	7x2x1mm²	CU,PVC,OSC,PVC,FIRE RESISTANT	Gray Red Strip	-	M32	NIS	Out of Havayer scope of work (By Hiran)	
149	MC-OCS-2101C	DCS	UCP-2101C	12x2x1mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M40	NIS	Out of Havayer scope of work (By Hiran)	
150	IC-PE-2121C	DCS	UCP-2101C	1x2x1.5mm²	CU,PVC,OSC,PVC,FLAME RETARDANT	Gray	-	M20	NIS	Out of Havayer scope of work (By Hiran) Split Block	
151	IC-V5-2205C	V5-2205C	JBU-D-2102C	1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayer Loose Item	
152	IC-V5-2206C	V5-2206C		1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayer Loose Item	
153	IC-V5-2207C	V5-2207C		1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayer Loose Item	
154	IC-V5-2208C	V5-2208C		1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayer Loose Item	
155	IC-C-V250-2225C	C-V250-2225C		1x2x1.5mm²	CU,PVC,OSC,SWA,PVC,FLAME RETARDANT	Gray	15	M20	NIS	Supply by Havayer Loose Item	
156	MC-JBU-D-2102C	JBU-D-2102C	UCP-2101C	7x2x1mm²	CU,PVC,SC,OSC,SWA,Lead Sheath,PVC,FLAME RETARDANT	Gray	-	M32	NIS	Out of Havayer scope of work (By Hiran)	