

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک					
شماره پیمان: 053 - 073 - 9184	CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES				شماره صفحه: 1 از 4	
طرح نگهداشت و افزایش تولید 27 مخزن						
CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES نگهداشت و افزایش تولید میدان نفتی بینک						
V02	Oct. 2023	IFR	Havayar Co.	M.Fakharian	S. Faramarzpour	
V01	Aug. 2023	IFR	Havayar Co.	M.Fakharian	A.M.Mohseni	
V00	Jun. 2023	IFR	Havayar Co.	M.Fakharian	A.M.Mohseni	
Rev.	Date	Purpose of Issue/Status	Prepared By	Checked By	Approved By	Client Approval
Status IFA: Issued for Approval IFR: Issued for Review IFI: Issued for Information AFC: Approved for Construction						



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کمپرسور گاز (رقت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)



شماره پیمان:
053 - 073 - 9184

CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/
CERTIFICATES

نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادرکننده	پسته کاری	پروژه
V02	0005	DS	IN	120	HY	GCS	BK

شماره صفحه: 2 از 4

REVISION RECORD SHEET

Page	V00	V01	V02	V03	V04
1	X	X	X		
2	X	X	X		
3	X	X	X		
4		X	X		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					

Page	V00	V01	V02	V03	V04
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					

		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و اینپیه تحت الارض خرید بکج های کمپرسور گاز (فان و ریگش) بینک (فرزاد BK-HD-GCS-CO-0008_03)									
شماره پیمان: 053 - 073 - 9184		Project	Package	Issuer	Facility	Dicipline	Doc.	Sequence	Rev	شماره صفحه: 3 از 4	
Tag Number UCP-2101A UCP-2101B UCP-2101C		BK	GCS	HY	120	IN	DS	0005	V02		
Standards and regulations ☒ IEC ☒ V02 ☒ IPS ☐ RITAL											
Panel data											
Panel type	☐ Rittal brand ☐ Plug-in design ☐ Fixed			☒ Rittal type(Made in Iran) ☐ Wall/skid Mounted ☒ Free Standing			☐ Rack mounted				
Installation	☒ Indoor (Client control room)			☐ Outdoor under shelter			☐ Outdoor unsheltered				
Color of enclosure	☐ RAL 7032			☒ RAL 7035			☐ Other				
Dimensions	Width	1600(2*800mm)		mm	Height	2100		mm	Depth	800mm	
Body material & size	Material	Sheet Steel		mm	Thickness	2/5		mm	sions will be finalized in UCP layout doc		
Door & Top material & size	Material	Sheet Steel		-	Thickness	2/5		mm			
Cable connection location	☒ Bottom ☐ Top		☒ V02								
Environmental conditions											
Humidity range	☐ 0-10% ☐ 10-30% ☐ 30-50% ☐ 50-60% ☒ 60-70% ☐ 70-80%										
Substation temperature (max)	☐ 25°C ☐ 30°C ☐ 35°C ☒ 43°C										
Substation temperature (min)	☐ + 1 °C ☒ 0 °C ☐ -20 °C										
Installation altitude above MSL	☐ sea level ☒ ≤1500m ☐ >1000m ☐ >2000m										
Ingress of protection	☐ IP31 ☐ IP40 ☐ IP41 ☐ IP42 ☒ IP54 ☐ IP65										
Control cabinet heating / cooling	☒ Ventilated ☐ Unventilated		☒ Heater & Thermostat ☒ Fan & Filter		☒ Hydrostat ☐ None						
Lighting	☒ Florsant ☐ Microswitch		☒ V02		☒ socket ☐ Other						
Earth	☒ Instrument Earth (IS & NIS) ☒ Electrical Earth										
PLC data											
Brand / type	☒ Siemens ☐ Other										
Redundancy	☐ S7 - 1200 ☐ S7-300 ☐ S7- 400FH ☐ Other										
HMI Type	☐ No ☒ CPU ☐ Communicati ☒ Powersupply ☒ Critical I/O (I/O in										
Barrier For Analog	☐ None ☐ TP177A ☐ TP177B ☐ MP-277 # 19" ☒ TP 12"										
Monitoring of machinery will be done by PLC. PLC is high available & high reliability. As per configuration document , ESD system is ready base included in PLC panel.											
Soft ware Data for Laptop											
Original license	Yes ☒ No ☐ Original software		Yes ☒ No ☐ Logic source		Yes ☒ No ☐ Laptop/IPC		Yes ☒ No ☐				
Certificate	SIL Certificate for Barrier & Relay Trip signal										
Used Instruments											
no.	Qty.	instrument	Description		Communication		Other devices				
		Quantity of I/O module as per below document: BK-GCS-HY-120-IN-DG-0001 PLC WIRING DIAGRAM & TERMINAL DETAILS BK-GCS-HY-120-IN-DG-0002 CONTROL SYSTEM CABINETS AND CONSOLES LAYOUT DRAWING		☐ None ☒ Control relay							
				☐ PRO-FI Bus module Fo ☐ Annunciator							
				☒ Modbus RTU module F ☐ Selectors							
				☒ PLC communication ☐ Push button							
				☒ Hard wire for field ☐ Indicator light							
				☐ Ethernet (WIRE) For U ☐ Terminal							
				Note: between UCP and ☒ MCB							
				DCS are hard wire ☒ Emergency stop							
Supply voltage											
Supply feeder :	☐ voltage Transformator ☒ UPS (Redundant delivered by client)		☒ Normal (Fan & Lighting) ☐ Other								
Voltage power rate for control panel :	☐ 24V DC ☒ 110V AC ☐ 230V AC										
	☒ 50 Hz. ☐ 60 Hz.										
Voltage power rate for Instrumentation purposes :	☒ 24V DC ☐ 230V AC ☐ 230V AC										
Identification / Wiring / nameplate											
Label & Name plate	☒ Label ☒ Name plate ☒ Wiring tag										
Language	☐ Persian ☒ English ☐ Other										
Insulation material of leads	☒ PVC ☐ Flame retardant										
Status FA: Issued for Approval FR: Issued for Review IF: Issued for Information AFC: Approved for Construction											
Material	☒ Brass nickel plated ☐ Brass ☐ thermoplastic ☐ S.S. ☐ other										
Ingress of protection	☐ EExe ☐ EExd ☒ IP54 ☐ IP66 ☐ IP68										
Mechanical protection	☒ Armoured ☐ un-Armoured										



نگهداشت و افزایش تولید میدان نفتی بینک
سطح الارض و ابنیه تحت الارض
خرید پکیج های کامپیوتر گاز (رقت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)



CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES

شماره پیمان:
053 - 073 - 9184

Project	Package	Dicipline	Doc.	Sequence	Rev
BK	GCS	IN	DS	0005	V02

شماره صفحه: 4 از 4

V02

Item	Description	Order# (if applicable)	Manufacturer	Country of Origin
LAPTOP				
1	PCS7 V9.1	N.A	Siemens	Germany
2	Tia Portal V17	N.A	Siemens	Germany
3	SIMATIC PCS 7, software, Software Media Package V9.1 SP1 data storage medium without license use only in connection with valid license Trial License for 14 days, without liability and warranty with restricted functionality (see product info) R-SW, software on USB without documentation 5 languages (de, en, fr, it, es), executable in Windows 10 LTSC 2019 Windows Server 2019 for more information, see PCS 7 V9.1 Readme reference hardware: PCS 7 IPC bundle ***** content: 1x USB	6ES7658-4XX68-0YT8	Siemens	Germany
4	SIMATIC PCS 7, software, AS/OS Engineering V9.1 Floating License for 1 user E-SW, without SW, without docu. license key on USB flash drive, class A, 5 languages (de, en, fr, it, sp), executable in WIN 10 LTSC 2019 WIN Server 2019 for further information, see PCS 7 V9.1 Readme reference HW: PCS 7 IPC bundle ***** content: 1x USB	6ES7658-5AX68-0YA5	Siemens	Germany
5	SIMATIC S7, SOFTWARE F SYSTEMS V6.2, FLOAT. LICENSE F.1 INSTALLATION R-SW, WITHOUT SW AND DOCU. LICENSE KEY ON USB STICK, CLASS A, 2 LANGUAGES (G,E), EXECUTABLE UNDER WIN7 SP1 / SERVER 2008 R2 SP1 OS ONLY: WIN10 / SERVER 2012 R2 REFERENCE-HW: PC/PG	6ES7833-1CC26-0YA5	Siemens	Germany
6	SIMATIC S7, software F-Systems V6.2 Update 1 Software Media Package Data medium without license usage only in connection with valid license E-SW / R-SW, SW and documentation on CD 2 languages (de, en), executable on WIN7 SP1 / Server 2008 R2 SP1/ WIN10 / Server 2012 R2/ Server 2016 Reference HW: PC/PG	6ES7833-4CC26-0YT8	Siemens	Germany
OWS				
7	SIMATIC PCS 7, software, OS Software Client V9.1 Floating License for 1 user R-SW, without SW, without docu. license key on USB flash drive, class A, 5 languages (de, en, fr, it, sp), executable in WIN 10 LTSC 2019 for further information, see PCS 7 V9.1 Readme reference	6ES7658-2CX68-0YB5	Siemens	Germany
HMI				
8	SIMATIC WinCC Comfort V16, engineering software in TIA Portal; Floating License; SW and documentation on DVD; license key on a USB stick; Class A; 6 languages: de,en,fr,es,it,zh; for configuration of SIMATIC Panels.	6AV2101-0AA06-0AA5		