

	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						شماره صفحه: 1 از 4	
CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES								
نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه	
V01	0005	DS	IN	120	HY	GCS	BK	

طرح نگهداشت و افزایش تولید 27 مخزن

CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES

نگهداشت و افزایش تولید میدان نفتی بینک

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

Class:

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 خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)	 HAVAYAR INDUSTRIAL GROUP																
شماره پیمان: 053 - 073 - 9184	CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES <table border="1"> <tr> <td>نسخه</td> <td>سریال</td> <td>نوع مدرک</td> <td>رشته</td> <td>تسهیلات</td> <td>صادر کننده</td> <td>بسته کاری</td> <td>پروژه</td> </tr> <tr> <td>V01</td> <td>0005</td> <td>DS</td> <td>IN</td> <td>120</td> <td>HY</td> <td>GCS</td> <td>BK</td> </tr> </table>	نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه	V01	0005	DS	IN	120	HY	GCS	BK	شماره صفحه : 2 از 4
نسخه	سریال	نوع مدرک	رشته	تسهیلات	صادر کننده	بسته کاری	پروژه											
V01	0005	DS	IN	120	HY	GCS	BK											

REVISION RECORD SHEET

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3	X	X			
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		نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (رفت و برگشتی) بینک (فراردا 03-BK-HD-GCS-CO-0008) CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES															
		Contract No: 053-073-9184							Page 3 of 4								
Project		Package		Issuer		Facility		Dicipline		Doc.		Sequence		Rev			
BK		GCS		HY		120		IN		DS		0005		V01			
Standards and regulations ☒ IEC																	
☒ IPS																	
☐ RITAL																	
Switchboard data																	
Panel type		☐ Rittal brand				☒ Rittal type(Made in Iran)				☐ Rack mounted							
		☐ Plug-in design				☐ Wall/skid Mounted											
		☐ Fixed				☒ Free Standing											
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			
Body material & size		Material		Sheet Steel		-		Thickness		2		mm		Dimensions will be finalized in UCP layout document.			
Door & Top material & size		Material		Sheet Steel		-		Thickness		2		mm					
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		☐ 44°C		☐ 50°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							
Lighting		☒ Florsant				☒ Microswitch				☒ socket							
										☐ None							
										☐ Other							
PLC data																	
Brand / type		☒ Siemens				☐ S7 - 1200				☐ S7-300				☒ S7- 400FH			
						☐ CPU				☒ Communication (Modbus)				☐ Other			
Redundancy		☐ No Redundancy				☒ Critical I/O (I/O in ET200M)											
HMI Type		☐ None				☐ TP177A				☐ TP177B				☐ MP-277 # 19"			
Barrier For Analog		☒ Yes				☐ NO											
Soft ware Data for Laptop																	
Original license		Yes ☒		No ☐		Original software		Yes ☒		No ☐		Logic source		Yes ☒			
												Laptop/IPC		Yes ☒			
Certificate		SIL Certificate for Barrier & Relay Trip signal															
Used Instruments																	
no.		Qty.		instrument		Description		Communication		Other devices							
								☐ None		☒ Control relay							
								☐ PRO-FI Bus module For DCS		☐ Annunciator							
								☒ Modbus RTU module For DCS		☐ Selectors							
								☒ PLC communication (with hard wire To DCS)		☐ Push button							
								☒ Hard wire for field		☐ Indicator light							
								☐ Ethernet (WIRE) For UCP		☒ Terminal							
								Note: Some Signals between UCP and DCS are hard wire.		☒ MCB							
										☒ Emergency stop							
Supply voltage																	
Supply feeder :		☐ voltage Transformator		☒ UPS (Redundant divered by client)		☒ Normal (Fan & Lighting)		☐ Other									
Voltage power rate for control panel :		☐ 24V DC		☒ 110V AC		☒ 230V AC		☐ Other									
		☒ 50 Hz.		☐ 60 Hz.													
Voltage power rate for instrumentation purposes :		☒ 24V DC		☐ 230V AC		☐ 230V AC		☐ Other									
Identification / Wiring / nameplate																	
Label & Name plate		☒ Label		☒ Name plate		☒ Wiring tag											
Language		☐ Persian		☒ English		☐ Other											
Insulation material of leads		☒ PVC		☐ Flame retardant													
Gland data for PLC panel																	
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 کمپرسور گاز (رقت و برگشتی) بینک
(قرارداد BK-HD-GCS-CO-0008_03)



CONTROL PANEL PARTS DATA SHEET/LICENCE LIST/ CERTIFICATES

Contract No:

053-073-9184

Project

BK

Package

GCS

Issuer

HY

Facility

120

Dicipline

IN

Doc.

DS

Sequence

0005

Rev

V01

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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 HW: PCS 7 IPC bundle ***** content: 1x USB	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		