

 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 Tomorrow Needs Innovation.	
	ELECTRICAL/UPS CONSUMPTION LOAD LIST								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادر کننده HY	تسهیلات 120	رشته EL	نوع مدرک LI	سریال 0001	نسخه V00	4 از 1 شماره صفحه

طرح نگهداشت و افزایش تولید ۲۷ مخزن

ELECTRICAL/UPS CONSUMPTION LOAD LIST

نگهداشت و افزایش تولید میدان نفتی بینک

V00	JUN.2023	IFR	H.Cheraghi	R.Deaghan	F.Khodakarami	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 2

status:

IFA: Issued For Approval (For Docs. with Class#1)
 IFR: Issued For Review (For Docs. with Class#2)
 IFI: Issued For Information (For Docs. with Class#3)
 AFC: Approved For Construction

 NISOC	تجهیزات و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید پکیج های کمپرسور گاز (دفت و برگشتی) بینک (قرارداد BK-HD-GCS-CO-0008_03)								
	ELECTRICAL/UPS CONSUMPTION LOAD LIST								
شماره پیمان: ۰۵۳ - ۰۷۳ - ۹۱۸۴	پروژه BK	بسته کاری GCS	صادرکننده HY	تجهیزات 120	رشته EL	نوع مدرک LI	سریال 0001	نسخه V00	4 از 2: شماره صفحه

REVISION RECORD SHEET

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 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)							   HAYAR Tomorrow Needs Innovation.		
	ELECTRICAL/UPS CONSUMPTION LOAD LIST									
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدرک	سریال	نسخه	4 از 3: شماره صفحه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	HY	120	EL	LI	0001	V00		

4 از 3: شماره صفحه

No.	DESCRIPTION	RATED VOLTAGE (V)	SUPPLY FEEDER	NO. OF PHASE	Feeder Type Motorized	FREQUENCY (Hz)	STARTING TYPE Starting panel By client								
1	Compressor # C-2101-C1 A # C-2102-C2 A	Main Motor	11000	Normal	3Ph	Yes	50	DOL	Continuous	1.5	1	1.5	2		
		Space Heater	230	Normal	1Ph	—	50	—	Intermittent	0.3	1	0.3	1		
		Oil Heater	230	Normal	1Ph	—	50	—	Intermittent	1.5	1	1.5	1		
		BARRING DEVICE MOTOR	400	Normal	3Ph	Yes	50	DOL	Intermittent	2.2	1	2.2	1		
		Aux. Oil Pump # P-2101-AP A	400	Normal	3Ph	Yes	50	DOL	Continuous	7.5 (Note)	1	7.5	1		
		Lube. Oil Cooler # AE-2101-OC A	400	Normal	3Ph	Yes	50	DOL	Continuous	5.5 (Note)	1	5.5	1		
		Cylinder Lubricator Pump Motor # M-2101-LP A	400	Normal	3Ph	Yes	50	DOL	Continuous	0.55	1	0.55	1		
	Water Skid	Cylinder Lubricator Oil Heater	230	Normal	1Ph	—	50	—	Intermittent	0.4	1	0.4	1		
		Aux. Pump Motor # P-2101-AX A	400	Normal	3Ph	Yes	50	DOL	Continuous	7.5 (Note)	1	7.5	1		
		Main Pump Motor # P-2101-WP A	400	Normal	3Ph	Yes	50	DOL	Standby	7.5 (Note)	1	7.5	1		
		Electric Heater # H-2101-WH A	400	Normal	3Ph	—	50	—	Intermittent	12 (Note)	1	12	1		
2	UCP Panel For Compressor # C-2101-C1 A # C-2102-C2 A	System control	110	UPS Redundant	1Ph	—	50	—	Continuous	1.5	1	1.5	2		
		Socket & lighting	230	Normal	1Ph	—	50	—	Continuous	1.5	1	1.5	1		
3	Compressor # C-2101-C1 B # C-2102-C2 B	Main Motor	11000	Normal	3Ph	Yes	50	DOL	Continuous	1050	1	1050	1		
		Space Heater	230	Normal	1Ph	—	50	—	Intermittent	0.3	1	0.3	1		
		Oil Heater	230	Normal	1Ph	—	50	—	Intermittent	1.5	1	1.5	1		
		BARRING DEVICE MOTOR	400	Normal	3Ph	Yes	50	DOL	Intermittent	2.2	1	2.2	1		
		Aux. Oil Pump # P-2101-AP B	400	Normal	3Ph	Yes	50	DOL	Continuous	7.5 (Note)	1	7.5	1		
		Lube. Oil Cooler # AE-2101-OC B	400	Normal	3Ph	Yes	50	DOL	Continuous	5.5 (Note)	1	5.5	1		
		Cylinder Lubricator Pump Motor # M-2101-LP B	400	Normal	3Ph	Yes	50	DOL	Continuous	0.55	1	0.55	1		
	Water Skid	Cylinder Lubricator Oil Heater	230	Normal	1Ph	—	50	—	Intermittent	0.4	1	0.4	1		
		Aux. Pump Motor # P-2101-AX B	400	Normal	3Ph	Yes	50	DOL	Continuous	7.5 (Note)	1	7.5	1		
		Main Pump Motor # P-2101-WP B	400	Normal	3Ph	Yes	50	DOL	Standby	7.5 (Note)	1	7.5	1		
		Electric Heater # H-2101-WH B	400	Normal	3Ph	—	50	—	Intermittent	12 (Note)	1	12	1		
4	UCP Panel For Compressor # C-2101-C1 B # C-2102-C2 B	System control	110	UPS Redundant	1Ph	—	50	—	Continuous	1.5	1	1.5	2		
		Socket & lighting	230	Normal	1Ph	—	50	—	Continuous	1.5	1	1.5	1		

Note: Data will be finalized by sub vendor.

Regarding 110 VAC UPS power consumption:
- More details for power consumption calculation shall be added such as number of I/Os and cards consumption, power supply units rate, communication cards consumption ,... also contingency/coincidence factor, spare ,... to be specified.
- power consumption of touch screen and work station to be added.
- power consumption of any optional modules (if any such as VMS if required) shall be considered.
- Responsibility of package required UPS power is by vendor and it will mirror exactly in plant UPS capacity calculation so vendor shall confirm no more power consumption will impose to plant UPS except specified rate in this document.
- Document will be finalized after finalizing package I/O count and system architectural configuration.

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شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه	4 از 4: شماره صفحه
۰۵۳ - ۰۷۳ - ۹۱۸۴	BK	GCS	HY	120	EL	LI	0001	V00	

5	Compressor # C-2101-C1 C # C-2102-C2 C	Main Motor		11000	Normal	3Ph	Yes	50	DOL	Standby	1050	1	1050	1
		Space Heater		230	Normal	1Ph	—	50	—	Standby	0.3	1	0.3	1
		Oil Heater		230	Normal	1Ph	—	50	—	Standby	1.5	1	1.5	1
		BARRING DEVICE MOTOR		400	Normal	3Ph	Yes	50	DOL	Standby	2.2	1	2.2	1
		Aux. Oil Pump # P-2101-AP C		400	Normal	3Ph	Yes	50	DOL	Standby	7.5 (Note)	1	7.5	1
		Lube. Oil Cooler # AE-2101-OC C		400	Normal	3Ph	Yes	50	DOL	Standby	5.5 (Note)	1	5.5	1
		Cylinder Lubricator Pump Motor # M-2101-LP C		400	Normal	3Ph	Yes	50	DOL	Standby	0.55	1	0.55	1
		Cylinder Lubricator Oil Heater		230	Normal	1Ph	—	50	—	Standby	0.4	1	0.4	1
		Water Skid	Aux. Pump Motor # P-2101-AX C	400	Normal	3Ph	Yes	50	DOL	Standby	7.5 (Note)	1	7.5	1
			Main Pump Motor # P-2101-WP C	400	Normal	3Ph	Yes	50	DOL	Standby	7.5 (Note)	1	7.5	1
Electric Heater # H-2101-WH C	400		Normal	3Ph	—	50	—	Standby	12 (Note)	1	12	1		
Water Console Cooler Motor # AE-2101-WC C	400		Normal	3Ph	Yes	50	DOL	Standby	4 (Note)	1	4	1		
6	UCP Panel For Compressor # C-2101-C1 C # C-2102-C2 C	System control		110	UPS Redundant	1Ph	—	50	—	Standby	1.5	1	1.5	2
		Socket & lighting		230	Normal	1Ph	—	50	—	Standby	1.5	1	1.5	1

Note: Data will be finalized by sub vendor.