

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک						 		
	I&C POWER CONSUMPTION SUMMARY								
شماره پیمان: 053 - 073 - 9184	پروژه BK	بسته کاری GCS	صادر کننده PEDCO	تسهیلات 120	رشته IN	نوع مدرک LI	سریال 0007	نسخه D06	شماره صفحه: 1 از 9

طرح نگهداشت و افزایش تولید 27 مخزن

I&C POWER CONSUMPTION SUMMARY

نگهداشت و افزایش تولید میدان نفتی بینک

D06	FEB.2025	AFC	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D05	AUG.2024	IFA	P.Hajisadeghi	M.Fakharian	M.Sadeghian	
D04	JAN.2024	IFA	P.Hajisadeghi	M.Fakharian	S.Faramarzpour	
D03	AUG.2023	IFA	P.Hajisadeghi	M.Fakharian	A.M.Mohseni	
D02	DEC.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D01	APR.2022	IFA	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
D00	FEB.2022	IFC	P.Hajisadeghi	M.Fakharian	M.Mehrshad	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

Class: 1	CLIENT Doc. Number: F0Z-708973
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status: IDC: Inter-Discipline Check IFC: Issued For Comment IFA: Issued For Approval AFD: Approved For Design AFC: Approved For Construction AFP: Approved For Purchase AFQ: Approved For Quotation IFI: Issued For Information AB-R: As-Built for CLIENT Review AB-A: As-Built -Approved
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I&C POWER CONSUMPTION SUMMARY								
شماره پیمان:	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه	شماره صفحه: 2 از 9
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0007	D06	

REVISION RECORD SHEET

Page	D00	D01	D02	D03	D04	Page	D05	D06	D07	D08	D09
1	X	X	X	X	X	1	X	X			
2	X	X	X	X	X	2	X	X			
3	X	X				3		X			
4	X	X	X	X	X	4	X	X			
5	X	X	X	X	X	5		X			
6		X	X	X		6	X	X			
7				X	X	7	X	X			
8				X	X	8	X	X			
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 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض							
	احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک							
I&C POWER CONSUMPTION SUMMARY								
شماره پیمان: 053 - 073 – 9184	پروژه	بسته کاری	صادر کننده	تسهیلات	رشته	نوع مدرک	سریال	نسخه
	BK	GCS	PEDCO	120	IN	LI	0007	D06
شماره صفحه: 3 از 9								

REFERENCE DOCUMENTS:

I/O LIST FOR CONTROL SYSTM
I/O LIST FOR ESD SYSTEM
I/O LIST FOR F&G SYSTEM
SPECIFICATION FOR INSTRUMENTATION
SPECIFICATION FOR CONTROL SYSTEM
SPECIFICATION FOR ESD SYSTEM
SPECIFICATION FOR ESD SYSTEM
SPECIFICATION FOR INSTRUMENT AND CONTROL OF PACKAGE UNIT SYSTEM(PL

BK-GCS-PEDCO-120-IN-LI-0002
BK-GCS-PEDCO-120-IN-LI-0003
BK-GCS-PEDCO-120-IN-LI-0004
BK-GNRAL-PEDCO-000-IN-SP-0001
BK-GNRAL-PEDCO-000-IN-SP-0002
BK-GNRAL-PEDCO-000-IN-SP-0003
BK-GNRAL-PEDCO-000-IN-SP-0012
BK-GNRAL-PEDCO-000-IN-SP-0004

ELECTRICAL/UPS CONSUMPTION LOAD LIST (HAVAYAR)
UCP AND BMS SYSTEM POWER CONSUMPTION LIST
VENDOR PROPOSAL FOR DCS/ESD/F&G/AIR COMPRESSOR PACKAGES/NITROGEN PACKAGE

BK-GCS-HY-120-EL-LI-0001
BK-GCS-MF-120-IN-LI-0004
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D06



احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



053 - 073 - 9184

شماره پیمان:

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INST./CONTROL UPS 110 VAC POWER CONSUMPTION TABLE

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ITEM	DESCRIPTION		PANEL QTY (Note 1)	BACK UP TIME	ESTIMATTED I/O (NOTE 3)	POWER CONSUMPTION (W) (Note 1)(AS PER APPENDIX A,B)	FEEDER QTY	TOTAL POWER CONSUMPTION (W)
1	DCS SYSTEM PANEL (AS PER APPENDEX "A")	Power Supply for CPUs (2 No. redundant)	1	2 hr.	400	130	2 Nos. (Redundant)	900
		110/24 VDC Power Supply		2 hr.		770	2 Nos. (Redundant)	
2	DCS MARSHALING PANEL (AS PER APPENDEX "A")	110/24 VDC Power Supply (2 No. redundant)	3	2 hr.	-	40	2 Nos. (Redundant)	120
3	SERVER/ NETWORK	110/24 VDC Power Supply (2 No. redundant)	2	2 hr.	-	885	2 Nos. (Redundant)	1770
4	ESD SYSTEM PANEL (AS PER APPENDEX "A")	Power Supply for CPUs (2 No. redundant)	1	2 hr.	200	130	2 Nos. (Redundant)	900
		110/24 VDC Power Supply		2 hr.		750	2 Nos. (Redundant)	
5	ESD MARSHALING PANEL (AS PER APPENDEX "A")	110/24 VDC Power Supply	2	2 hr.	-	40	2 Nos. (Redundant)	80
6	SERVER/ NETWORK	110/24 VDC Power Supply (2 No. redundant)	2	2 hr.	-	15	2 Nos. (Redundant)	30
ITEM	DESCRIPTION		PANEL QTY (Note 1)	BACK UP TIME	ESTIMATTED I/O (NOTE 3)	UNIT POWER CONSUMPTION (W) (Note 1)	FEEDER QTY	TOTAL POWER CONSUMPTION (W)
7	ELECRO GAS COMPRESSOR UCP A/B/C SYSTEM AND MARSHALING CABINET (AS PER APPENDEX "B")		3	2 hr.	3x250	1500	2 Nos. (Redundant)	4500
8	DEHYDRATION PACKAGE(UCP/BMS) (AS PER APPENDEX "B")		4	2 hr.	(2x56) +(2x32)	2000	2 Nos. (Redundant)	8000
9	PAGING SYSTEM		1	2 hr.	-	1000	2 Nos. (Redundant)	1000
10	AIR COMPRESSOR UCP A/B		2	2 hr.	2x100	1000	2 Nos. (Redundant)	2000
11	AIR DRAYER LOCAL LCP		2	2 hr.	-	500	2 Nos. (Redundant)	1000
12	NITROGEN PACKAGE UCP		1	2 hr.	100	1500	2 Nos. (Redundant)	1500
13	OPERATOR WORKSTATION (INCLUDING DCS, ESD, PACKAGE OWSSs)		2	2 hr.	-	610	1 No. (Socket)	1220
14	OPERATOR WORKSTATION (INCLUDING DCS, ESD, PACKAGE OWSSs)		2	2 hr.	-	530	1 No. (Socket)	1060
15	DCS ENGINEERING WORKSTATION		1	2 hr.	-	530	1 No. (Socket)	530
16	ESD ENGINEERING WORKSTATION		1	2 hr.	-	530	1 No. (Socket)	530
17	F&G OPERATOR/ ENGINEERING WORKSTATION		1	2 hr.	-	530	1 No. (Socket)	530

TABLE 1

TOTAL POWER CONSUMPTION (W)	25670
TOTAL POWER CONSUMPTION CONSIDERING SPARE CAPACITY (W)	30804

Note 4 : UPS of CCTV panel is not considered.It will be provided by vendor.

 NISOC	تکهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I&C POWER CONSUMPTION SUMMARY								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0007	D06	شماره صفحه: 5 از 9

INST./CONTROL NON- UPS 230 VAC POWER CONSUMPTION TABLE

- Table (2) is represents AC UPS power consumption for inst./control system. The estimation is based on the design of control systems, comprising of various equipment located in Control Room.

D06

ITEM	DESCRIPTION	UNIT POWER CONSUMPTION (W) (Note 1)	QTY. (Note 1)	TOTAL POWER CONSUMPTION (W) + 500 W for 1 Socket per system
1	Cabinet Utilities For DCS (Heater, Fan , Light, Socket)	400	4	2100
2	Cabinet Utilities For ESD (Heater, Fan , Light, Socket)	400	3	1700
3	Cabinet Utilities For F&G (Heater, Fan , Light, Socket)	400	3	1700
4	Cabinet Utilities For Gas Compressor UCP(Heater, Fan , Light ,Socket)	400	6	2900
5	Cabinet Utilities For Dehydration BMS(if any) (Heater, Socket, Fan , Light, Socket)	400	4	2100
6	Cabinet Utilities For Total Flooding UCP(Heater, Socket, Fan , Light, Socket)	400	1	900
7	Cabinet Utilities For Paging Cabinet (Heater, Socket, Fan , Light, Socket)	400	1	900
8	Cabinet Utilities For Air Compressor UCP(Heater, Socket, Fan , Light, Socket)	400	2	1300
9	Cabinet Utilities For Nitrogen package UCP(Heater, Socket, Fan , Ligh, Sockett)	400	1	900
10	Control Desk Sockets	500	7	3500
TOTAL POWER CONSUMPTION				18000

TABLE 2

TOTAL POWER CONSUMPTION (W)	18000
TOTAL POWER CONSUMPTION CONSIDERING SPARE CAPACITY (W)	21600

Note 1 : Shall Be Finalized After Purchase Through Vendor Final Documents.

 NISOC	تنگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I&C POWER CONSUMPTION SUMMARY								
	شماره پیمان:	پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه
053 - 073 - 9184	BK	GCS	PEDCO	120	IN	LI	0007	D06	

INST./CONTROL UPS 24 VDC POWER CONSUMPTION TABLE

- Table (3) is represents 24V DC UPS power consumption for F&G system. The estimation is based on the design of F&G systems, comprising of various equipment located in Control Room/Field.

ITEM	DESCRIPTION	PANEL QTY (Note 1)	BACK UP TIME	ESTIMATED I/O (NOTE 4)	POWER CONSUMPTION (W) (WILL BE FINALIZED AFTER RECIEIVING VENDOR DETAILED DATA)	FEEDER QTY	TOTAL POWER CONSUMPTION FOR QUIESCENCE MODE(W) (Note 3)	TOTAL POWER CONSUMPTION FOR ALARM MODE (W) (Note 3)
1	F&G SYSTEM PANEL	1	24hr.	265	1000 (for Quiescence)	2 Nos. (Redundant)	1130	1826
			5 MIN		1826 (for alarm mode-)			
			24hr.		130 (for Quiescence)			
2	F&G MARSHALLING PANEL	2	24hr.					
1	FACP system	1	24hr.	-	250 (for Quiescence)	2 Nos. (Redundant)	390	-
2	FACP Detectors		24hr.		140 (for Quiescence mode)			
			5 MIN		404		-	404
3	FIRE PROTECTION AND TOTAL FLOODING SYSTEM UCP	1	5 MIN	50	500	2 Nos. (Redundant)	-	500

TOTAL POWER CONSUMPTION FOR 5 MIN BACK UP TIME (W) (Note 3)	2730
TOTAL POWER CONSUMPTION FOR 24 HOURS BACK UP TIME (W) (Note 3)	1520
TOTAL POWER CONSUMPTION CONSIDERING SPARE CAPACITYFOR 5 MIN BACK UP TIME (W)	3276.0
TOTAL POWER CONSUMPTION CONSIDERING SPARE CAPACITY FOR 24 HOURS BACK UP TIME (W)	1824.0

Note 1 : Shall Be Finalized After Purchase Through Vendor Final Documents.

Note 2: Deleted

Note 3: DC charger shall supply 2KW + Spare, for 24H back up time but also it shall be capable to prepare 4.3KW+ Spare, as a peak power consumption in alarming conditions for 5 Min back up time. it shall be considered during battery sizing in related documents.

Note 4: Power Consumption of panels have been estimatted considering project I/O count. Refer to " I/O List For Control System Doc.No.BK-GCS-PEDCO-120-IN-LI-0002 , I/O List For ESD System Doc.No.BK-GCS-PEDCO-120-IN-LI-0003 , I/O List For F&G System Doc.No.BK-GCS-PEDCO-120-IN-LI-0003.

 NISOC	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک								
	I&C POWER CONSUMPTION SUMMARY								
	شماره پیمان:	پروژه	بنه کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	
053 - 073 – 9184	BK	GCS	PEDCO	120	IN	LI	0007	D06	شماره صفحه: 7 از 9
(APPENDIX "A": VENDOR DATA FOR DCS/ESD/F&G SYSTEMS & ACCESSORIES POWER CONSUMPTION)									
D06									



 Process & Control Solution		CONTROL SYSTEM FOR GAS COMPRESSOR STATION OF BINAK							
Power & Heat Calculation									
Item	Description	Qty.	Power		Heat Dissipation				
			Unit VA	Total VA	Unit BTU/hr	unit Watts	Total BTU/hr	Total Watts	
1	Operation/engineering Station	3	450	1350	1450.1	425.02431	4350.3	1275.07293	
2	PKS Server	2	870	1740	1944.9	570.05019	3889.8	1140.10038	
3	32" LED	5	80	400	272.97	80.007507	1364.85	400.037535	
4	64" LED	1	148	148	504.99	148.012569	504.99	148.012569	
5	Printer	3	450	1350	1534.5	449.76195	4603.5	1349.28585	
6	Switch	2	15	30	51.18	15.000858	102.36	30.001716	
7	System Cabinet (DCS)	1	960	960	3960	1160.676	3960	1160.676	
8	Marshalling JRP Cabinet(Lighting)	3	40	120	142.5	41.76675	427.5	125.30025	
Total					6098	9851.14	2890.300134	19203.3	5628.48723

 Process & Control Solution		EMERGENCY SHUTDOWN FOR GAS COMPRESSOR STATION OF BINAK						
Power & Heat Calculation								
Item	Description	Qty.	Power		Heat Dissipation			
			Unit VA	Total VA	Unit BTU/hr	Unit Watts	Total BTU/hr	Total Watts
1	Operation/Engineering Station	1	450	450	1450.1	425.02431	1450.1	425.02431
2	32" LED	1	80	80	272.97	80.007507	272.97	80.007507
3	Printer	1	450	450	1534.5	449.76195	1534.5	449.76195
4	Switch	2	15	30	51.18	15.000858	102.36	30.001716
5	System Cabinet (ESD)	1	600	600	2373.66	698.79647	2373.66	698.79647
6	Marshalling JRP Cabine.(Lighting)	2	40	80	142.5	41.76675	285	83.5335
Total				1990	6522.17	1911.618027	6715.85	1968.415635

 Process & Control Solution		FIRE & GAS FOR Binak Oilfield Development – Surface Facilities; New Gas Compressor Station							
Power & Heat Calculation									
Item	Description	Qty.	Power		Heat Dissipation				
			Unit VA	Total VA	Unit BTU/hr	unit Watts	Total BTU/hr	Total Watts	
1	Operation/engineering Station	1	300	300	1320	384.34115	1320	384.34115	
2	32" LED	1	80	80	272.97	80.007507	272.97	80.007507	
3	Switch	1	15	15	51.18	15.000858	102.36	30.001716	
4	System Cabinet (F&G)	1	900	900	3600.80	1060.68902	3600.80	1060.68902	
5	Marshalling Cabinet/Lighting	1	40	40	142.5	41.76675	142.5	41.76675	
6	F&G P	1	1400	1400	5714.4	1677.3436	5714.4	1677.3436	
Total					1390	4560.57	1336.703087	1754.25	1393.470675



احداث ردیف تا کم گاز در ایستگاه جمع آوری سنک



شماره صفحه: 8 از 9

زہ ایمان:

053 - 073-9184

I&C POWER CONSUMPTION SUMMARY

پروژه	بسته کاری	صادرکننده	تسهیلات	رشته	نوع مدرک	سرمال
BK	GCS	PEDCO	120	IN	LI	0007

(APPENDIX "B": VENDOR DATA FOR GAS COMPRESSOR PACKAGE'S UCPS(A/B/C) POWER CONSUMPTION)

D06

 NISOC	کجهدات و لوازش کولاد، هیدات هانی پیک سلج الارض و ابیه نحت الارض خرد یکنج های کمر سوژ سار ارشت و یگشتی ارشت (فریاد 03 0008 GCS-HD-BK) BK-HD-GCS-CC-0008_03					 HERCAN هجران	 TJ تاجیکستان
	ELECTRICAL POWER CONSUMPTION LOAD LIST					 HAVAYAR هوانا یار	 TJ تاجیکستان
تعداد یمنه:	برزاد	یمنه گریز	سوار کندی	لیوانت	یمنه	سیرال	یمنه
(176 - 177 - 178)	GCS	GCS	HV	120	EL	LI	0001 0001 0001

[illegible]

 NISOC	تگه‌بندی و فرآیند پیمان‌های کلی پتیکه سطح ارزش و اینکه تحت ارزش خرید یکجای های کامیون سوپر مارکت (دلف و برمنشی) پتیکه (فرآیند BK-HD-GCS-CO-0008.03)					 HERGAN HERGAN THE WAY TO YOUR SUCCESS		
	ELECTRICAL SUPS CONSUMPTION DATA LIST					 HAVAYAR THE WAY TO YOUR SUCCESS		
شماره قرارداد ۱۳۹۷-۱۷-۱۳۹۷	فرم BK	بند تگه‌بندی GCS	قرارداد HY	تعداد 120	واحد EL	فرم قرارداد LJ	شماره 0001	واحد VDU

S/N	Description	Type	Status	Location	Capacity	Unit	Material	Unit Price	Total Price	Remarks
1	Comprehensive #1-10-13-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009									



NISOC

تجهیزات و افزایش تولید میدان نفتی بینک
سطح الارض

احداث ردیف تراکم گاز در ایستگاه جمع آوری بینک



I&C POWER CONSUMPTION SUMMARY

شماره پیمان:
053 - 073 - 9184

نسخه	سریال	نوع مدارک	رشته	تجهیزات	صادر کننده	بسته کاری	پروژه
D06	0007	LI	IN	120	PEDCO	GCS	BK

شماره صفحه: 9 از 9

(APPENDIX "B": VENDOR DATA FOR DEHYDRATION / AIR COMPRESSOR / NITROGEN PACKAGE'S UCPS POWER CONSUMPTION)

D06

 NISOC		تجهیزات و افزایش تولید میدان نفتی بینک سطح الارض و آبنیه تحت الارض خود بسته نم زدای گاز ایستگاه تولید فشار بینک (فراورد: BK-HD-GCS-CO-0001-04-04)								
شماره پیمان: 053 - 073 - 9184		UCP AND BMS SYSTEM POWER CONSUMPTION LIST								شماره Vendor: 3 از 3
		پروژه	بسته کاری	صادر کننده	تجهیزات	رشته	نوع مدارک	سریال	نسخه	
		BK	GCS	MF	120	IN	LI	0004	V00	
ELECTRICAL POWER CONSUMPTION										
ITEM NO.	TAG NO.	SERVICE	RATED VOLTAGE (V)	NUMBER OF PHASES	RATED POWER (KW)	OPERATION DUTY (%)	FREQUENCY (HZ)	LOAD CATEGORY	NOTE	Rev
1	UCP-2801	UNIT CONTROL PACKAGE	280VAC	3PH	1.32	C	50	NORMAL	(1)(2)	V.00
2	UCP-2801	UNIT CONTROL PACKAGE	180VAC	3PH	2	C	50	UPS	(1)(2)	V.00
3	UCP-2801	UNIT CONTROL PACKAGE	180VAC	3PH	2	S	50	UPS	(1)(2)	V.00
4	ESD/SHUT-2801	EMERGENCY SHUTDOWN/SURVEILOR MANAGEMENT SYSTEM	280VAC	3PH	1.32	C	50	NORMAL	(1)(2)	V.00
5	ESD/SHUT-2801	EMERGENCY SHUTDOWN/SURVEILOR MANAGEMENT SYSTEM	180VAC	3PH	2	C	50	UPS	(1)(2)	V.00
6	ESD/SHUT-2801	EMERGENCY SHUTDOWN/SURVEILOR MANAGEMENT SYSTEM	180VAC	3PH	2	S	50	UPS	(1)(2)	V.00
7										
8										
9										
10										
(1) Data will be finalized after receiving vendor data. (2) C=for Continuous Operation , S=for Standby Operation , I=for Intermittent Operation , D=Discontinuous , E=Emergency , N=Normal (3) Consumption for UV scanner, pilot detector, ignition transformer are included in this Panel										

Project Title:

CONT. No. :

Page : 3 of 3

AIR COMPRESSOR PACKAGE and PSA package



آیتم	تعداد	تعداد تابلو کنترل	توان الکتروساتور	توان تابلوی کنترل (UPS)	(Non-UPS)
Instrument Air Compressor Package With Dryer	2	2 panels (one panel for every control)	2x55 kw (55 kw for every compressor package)	2x1.5 kw (1.5 kw for every compressor package)	2x0.5 kw (0.5 kw for every compressor package)
Air Compressor for PSA Package With Nitrogen generator	1	1 panel	1x45 kw	1x1.5 kw	1x0.5 kw