

INDEX SHEET

SHEET No.	DESCRIPTION	D00	D01	D02	D03	D04
01	COVER SHEET	✓	✓	✓		
02	INDEX SHEET	✓	✓	✓		
03	SYMBOL	✓	✓			
04	NOTES	✓		✓		
05	24V DC BATTERY CHARGER CONFIGURATION	✓	✓	✓		
06	24V DC CHARGER DISTRIBUTION BOARD	✓	✓	✓		

LEGENI	n
LEGENI	v
REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR DC CHARGER CALCULATION NOTE FOR DC CHARGER	BK-CNRAU-PEDCO-000-EU-SP-000 BK-W0075-PEDCO-110-EL-CN-000
CALCULATION NOTE POR DC CHARGER SYSTEM—EXTENSION OF BENAR B/C MANIPOLD DATA SHEETS FOR DC CHARGER— EXTENSION OF BENAR B/C MANIFOLD	BK-#0078-PBDC0-110-BL-D7-000

D05	MAR.2023	IPA	H.SHAKIBA	V.PAKHARIAN	W.VEHRSHAD	**,**	***	*********	,	****	**,**	***
D01	SEP.2022	IPA	H.SHAKIBA	V.PAKHARIAN	W.VEHRSHAD	**,**	REV. DESCRIPTION		BY	DATE	BY	DATE
D00	MAR.2022	IPC	H.SHAKIBA	V.PAKHARIAN	W.WEHRSHAD	**,**			CHECKED		REV. APPR.	
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.		غ این نقته و حو	اصل و کلیه تـــ			
PROJECT	NAME:	BINAK OILFIELD DEVE WOO7S WH	4	THE ORIGINAL AND THE COPYRICE	IT THEREIN	ARE THE SOL	E PROPERTY					
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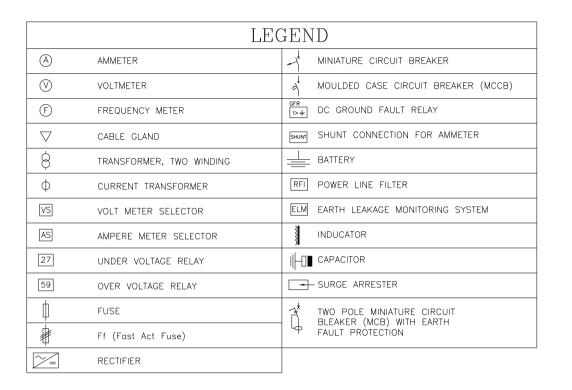
PETROIRAN
DEVELOPMENT
COMPANY

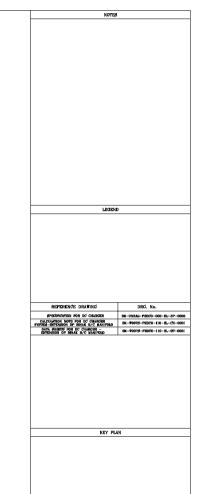
DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C

		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED										
		APPROVED	FOR CONS	TRUCT	MOIN	BY:		DATE:				
0,	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERI	AL NO.	SHEET	REVISION			

| BCALLB | SR23 | DRAWING NO. | SHBEPT NO. | REV. | BUDGET REV. | LOCATION | SIZE | CLASS | BERGAL NO. | SHBEPT NO. | REV. | SHBEPT NO. | SHBEPT NO.





D05	MAR.2023	IPA	H.SHAKIBA	V.PAKHARIAN	W.VEHRSHAD	64,68	***	***		****	**,**	***	
D01	SEP.2022	IPA	H.SHAKIBA	V.PAKHARIAN	W.VEHRSHAD	64,69	REV.	DESCRIPTION	BY	DATE	BY	DATE	
D00	MAR.2022	IPC	H.SHAKIBA	V.PAKHARIAN	W.WEHRSHAD	\$4,44	REV. DESCRIPTION		CHECKED		REV. APPR.		
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.	نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.						
PROJECT NAME: RINAK OILEIELD DEVELOPMENT/SUR-SURPACE WORK PACKAGES							l 4	THE OPICINAL AND	ALL CODIES	OF THIS DEA	NING TODAY	IPD WITH	

WOO7S WHE & EXTENSION OF BINAK B/C 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED APPROVED FOR CONSTRUCTION BY:

SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION SCALE SIZE DRAWING NO. BK-W0078-PEDC0-110-BL-SL-0003 03 0F 06 D02 058-078-9184 P 2 P 708029 03 0F 06 D02 NWS AS

NOTES:

- 01- ALL METERING, PROTECTION AND ALARM SYSTEM SHALL BE CONSIDERED BASED ON IPS M-EL-174(2) & SPECIFICATION FOR BATTERY & BATTERY CHARGER SYSTEM & DETAILED INFORMATION SHALL BE INDICATED IN THE VENDOR DRAWINGS. (VENDOR SHALL SPECIFY THE SIZE OF DEVICES).
- 02- CABLE SIZES SHALL BE CONSIDERED AFTER FINALIZING "CALCULATION NOTE FOR CABLE SIZING OF WELL PADS" DOC. NO "BK-SSGRL-PEDCO-110-EL-CN-0005" IN ADDITION THE INCOMING CABLE FOR BOTH FEEDERS SHALL BE 4 CORES.
- 03- INTERLOCKS WILL BE PROVIDED TO INHIBIT BATTERY BOOST CHARGE IF BATTERY ROOM VENTILATION IS OUT OF SERVICE.
- 04- AUTOMATIC BATTERY ISOLATION FACILITY SHALL BE PROVIDED FOR INCOMING MCCB OF BATTERY BANK. INCOMING MCCB OF BATTERY BANK SHALL BE OPEN WHEN F&G SYSTEM SEND BATTERY INSULATION SIGNAL TO THE UPS.
- 05- AN EARTH FAULT MONITORING SHALL BE CONSIDERED FOR EVERY 10 FEEDERS FOR EASY OF FINDING FAULTY BRANCH.
- 06- METERING & PROTECTION SYSTEM SHALL BE COMPLETED BASED ON UPS SPECIFICATION & DETAILED INFORMATION SHALL BE INDICATED ON VENDOR DRAWING.
- 07- ALL INCOMING & OUTGOING CONNECTIONS TO DISTRIBUTION BOARD SHALL BE FROM BOTTOM OF PANEL.
- 08- VENDOR SHALL USE THIS DRAWING AS BASIS ONLY & SHALL DEVELOP SINGLE LINE DIAGRAMS TO ENSURE PROPER OPERATION AS PER SPECIFICATION.
- 09- NUMBER OF DROPPER DIODE SHALL BE SPECIFIED BY MANUFACTURER CONSIDERING FLOAT CHARGE MODE. MANUFACTURER SHALL REGULATE LOAD VOLTAGE SUCH WAY TO KEEP CHARGE NORMAL VOLTAGE IN THE RANGE OF +10%
- 10- THE BATTERY FUSE / CIRCUIT BREAKER BOXES IS INSTALLED IN BATTERY ROOM AND SHALL HAVE AN EXPLOSION PROTECTION EXD IIC T3 ACCORDING TO IEC 60079-14.
- 11- ALL CALCULATION IN DC UPS SCOPE OF WORK SHALL BE CHECKED & CONFIRMED BY VENDOR.
- 12- BATTERY ISOLATED SIGNAL SHALL BE PROVIDED IN DC CHARGER SYSTEM.
- 13- BATTERY AMMETER SHALL BE ZERO-CENTER TYPE.
- 14- DISTRIBUTION PANEL (DP-01) FOR 24VDC WHICH WILL BE INSTALLED IN CONTROL ROOM, SHALL BE MANUFACTURED & CONSIDERED BY VENDOR.

LEGEND

REPERENCE DIRECTOR	DRU. NO.
SPECIFICATION FOR DC CHARGER	BK-CNRAL-PEDCO-000-EL-SP-0006
CALCULATION NOTE FOR DC CHARGER SYSTEM-ENTERSION OF BENAK B/C MANIPOLD	BK-#0076-PEDC0-110-EL-CN-0001
DATA SHEETS POR DC CHARGER - ENTENSION OF BENAK B/C MANIFOLD	BK-90078-PEDCO-110-EL-D7-0001

KBY PLAN

D05	MAR.2023	IPA	H.SHAKIBA	V.PAKHARIAN	W.WEHRSHAD	**,**	***	***		****	**,**	***	
D01	SEP.2022	IPA	H.SHAKIBA	V.PAKHARIAN	W.WEHRSHAD	**,**	REV.	DRSCRIPTION	BY	DATE	BY	DATE	
D00	MAR.2022	IPC	H.SHAKIBA	V.PAKHARIAN	W.WEHRSHAD	**,**	REV. DESCRIPTION		CHECKED		REV.	APPR.	
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.	کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.						
PROJECT	PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOOTS WHE & EXTENSION OF BINAK B/C							THE ORIGINAL AND					

NOBECT NAME: BIRAN OLDSTREED BESTERNEROW BURK S
WOO'DS WHI & EXTENSION OF BIRAN B/C
ROJECT NO.: 971020
PC CONTRACTOR: EPD/EPC CONTRACTOR (CC):

HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

/D02\

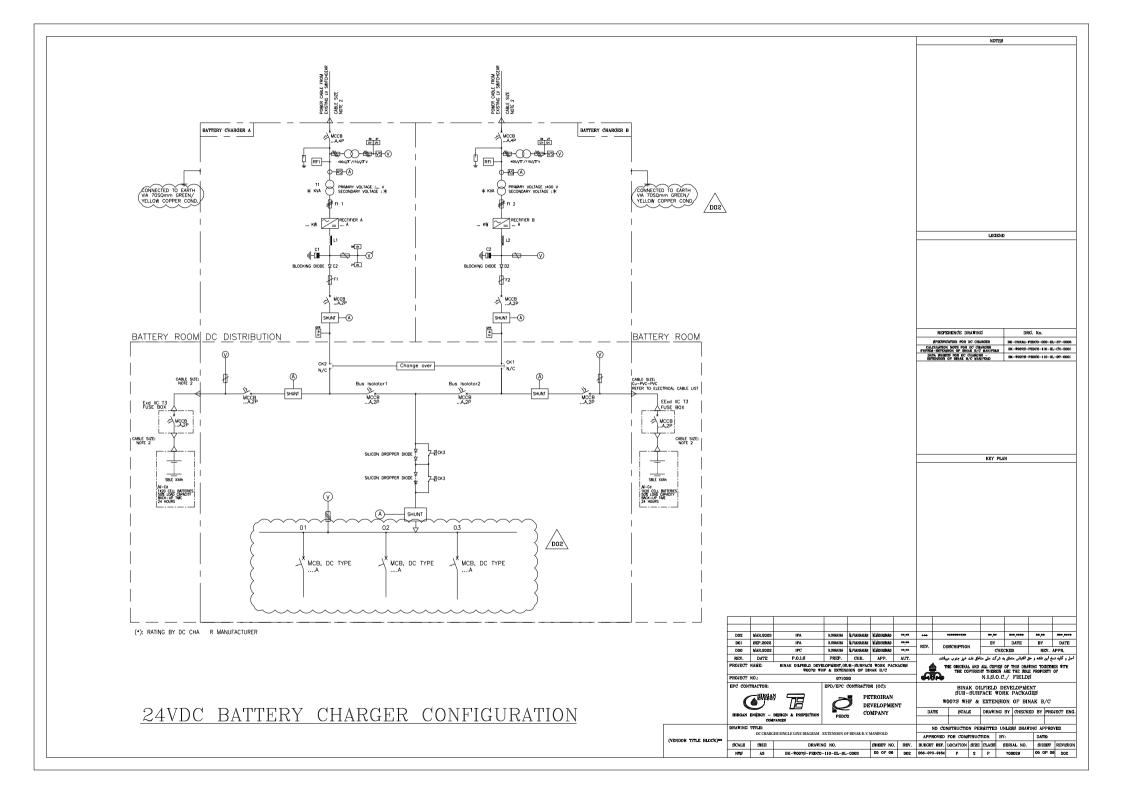
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BINAK OILFIELD DEVELOPMENT
SUB-SURPACE WORK PACKAGES

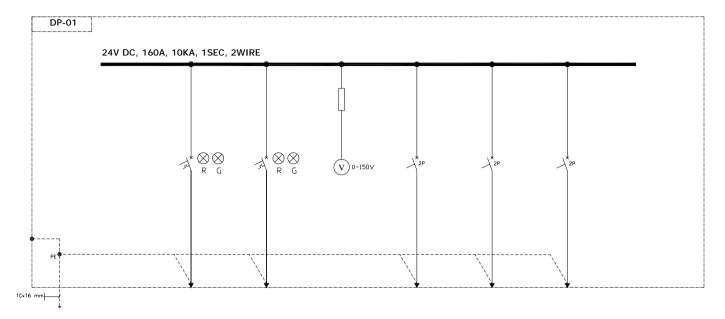
WOO7S WHF & EXTENSION OF BINAK B/C

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

N.I.S.O.C./ FIELDS







TAG Number	F1	F2	_	F3	F4	F5
P (KW)	3.12 KW	3.12 KW	_	1.48 KW	1.48 KW	0.2 KW
CB TYPE/RATING	MCCB 160A	MCCB 160A	_	MCB/80A	MCB/80A	MCB/25A
CABLE SIZE	NOTE 2	NOTE 2	-	2×35	2×35	ı
DESCRIPTION	INCOMING FROM 24V DC	INCOMING FROM 24V DC	VOLTAGE MEASUREMENT	FACP SYSTEM	FACP SYSTEM Redundant	SPARE

KEY PLAN

DRG, No.

REFERENCE DRAWING

24VDC CHARGER DISTRIBUTION BOARD

D05	MAR.2023	IPA	H.SHAKIBA	W.PAKHARIAN	W.WEHRSHAD	**,**	***	********	,	****	**,**	***	
D01	SEP.2022	IPA	H.SHAKIBA	W.PAKHARIAN	W.WEHRSHAD	**,**	D771	REV.	DRSCRIPTION	BY	DATE	BY	DATE
D00	MAR.2022	IPC	H.SHAKIBA	W.PAKHARIAN	W.WEHRSHAD	**,**	KEV.	DESCRIPTION	CHECKED		REV. APPR.		
REV.	DATE	P.O.I.Ø	PREP.	CHK.	APP.	AUT.		اطل نفت خيز جنوب ميباشد.	ه شرکت ملی منا	, آگلباس متعلق پ	غ این نقشه و حق	اصل و کلیه تـــا	

971020

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

(VEN

	DC CHARGER SINGLE LINE DIAGRAM - EXTENSION OF BINAK R/C MANIFOLD														
ENDOR TITLE BLOCK)**		DC CHARG	ER SINGLE LINE BIAGRAM - EXTENSION OF BINAK B/C		APPROVED FOR CONSTRUCTION				BY: DATE:						
	SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISIO			
	NTS	A3	BK-W0078-PEDC0-110-EL-SL-0008	08 OF 06	D05	068-073-9184	P	2	Р	708029	06 OF 08	DOS			