

TABULATION OF REVISED PAGES

PAGE	REV. 00	REV. 01	REV. 02	REV. 03
1	Х	Х	Х	Х
2	Х	Х	Х	Х
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31				
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REPERENCE DRAWING	DRG, No.
SPECIFICATION FOR UPS SYSTEM	BK-GNRAL-PEDGO-000-EL-SP-0003
CALCULATION NOTE FOR UPS SYSTEM EXTENSION OF BINAK B/C MANIPOLD	BK-W0078-PEDCO-110-EL-CN-0002
DATA SHEETS FOR UPS EXTENSION OF BINAK B/C MANIPOLD	BK-W007S-PEDC0-110-EL-DT-0002

NOTES

LECEND

D03	MAR,2023	AFC	H.SHAKIBA	MUPAKHARIAN	W.WEHRSHAD	**,**							
D02	00,05055	IFA	H,SHAKIBA	MEPAKHARIAN	N.WESTERSTAND	en(19	***	********	**.**	******	**.**	***,****	
DO1	\$EP.2022	IFA	H.SHAKIBA	MUPAKHARIAN	N. WEHRSHAD	,11	REV.	DESCRIPTION	BY	DATE	BY	DATE	
D00	MAR.2022	IPC	HJSHAKIBA	MUFAKHARIAN	W.WEHRSHAD	##,H	KE1.	DESCRIPTION	CHECKED		REV. APPR.		
REV.	DATE	P.0.1.8	PREP.	снк.	APP.	AUT.	کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت غیز جنوب میباشد.						
PROJECT NAME: BINAK OILPIBLD DEVELOPMENT/SUB-SURPACE WORK PACKAGES WOOTS WHE & EXTENSION OF BINAK B/C							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH						
PROJECT	NO.:	0.: 971020							N.I.S.O.C	./ FIELD	ıs		

PROJECT NAME: PROJECT NO.: 971020 EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC):

HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

PEDCO

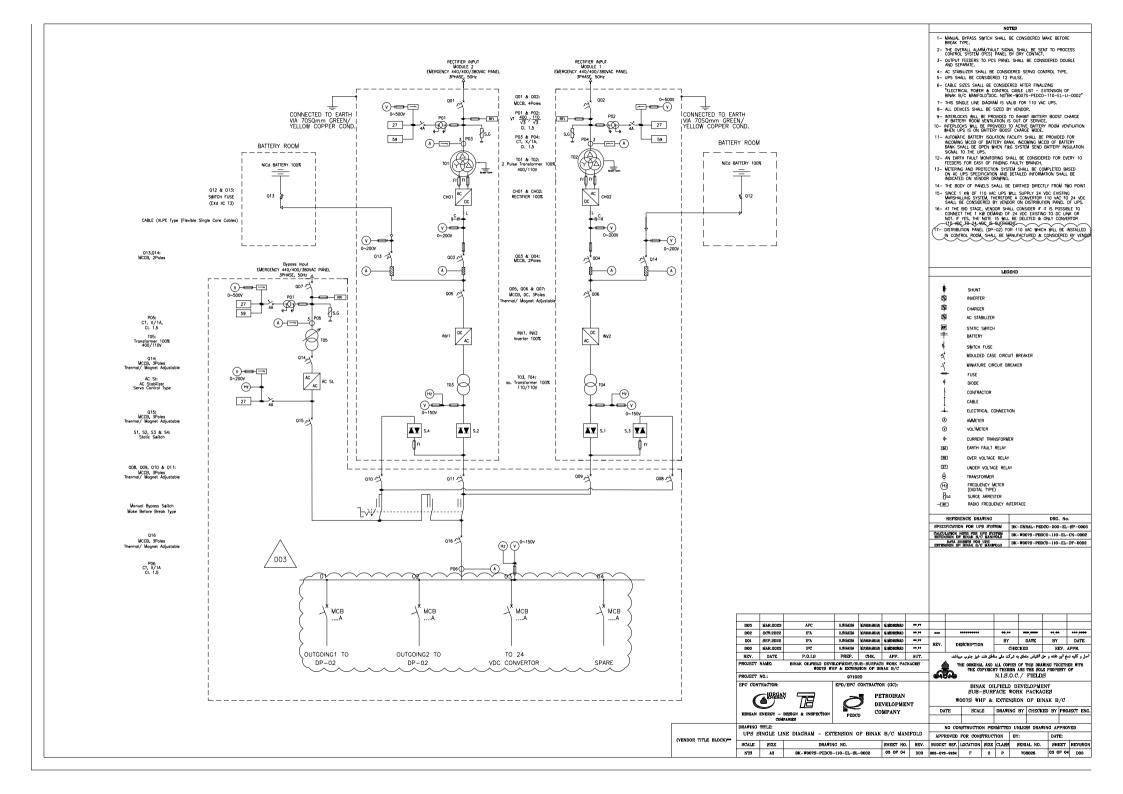
PETROIRAN DEVELOPMENT

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

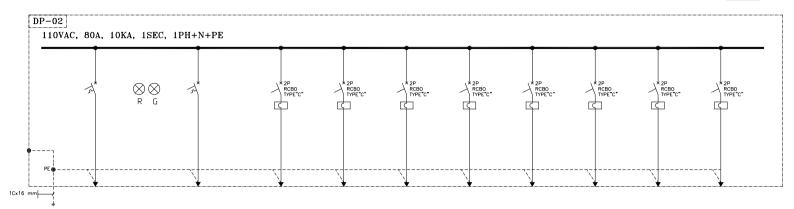
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

(VENDOR TITLE BLOCK)**

DRAWING TITLE: UPS SINGLE LINE DIAGRAM - EXTENSION OF BINAK B/C MANIFOLD APPROVED FOR CONSTRUCTION BY: DRAWING NO. | SHEET NO. | REV. | SUIDET REV. | LOCATION | SIZE (LASS) | SERIAL NO. | SHEET REVISION | BK-R60795-PEDCO-110-EL-S1-0000 | 02 07 04 | DoS | 08-078-BIS | F | 2 | P | 708028 | 02 07 04 | DoS | SCALE SIZE NTS AS







CATEGORY

CALEGORI										
CODE	F01	F02	F03	F04	F05	F06	F07	F08	F10	F11
P (KW)	5.92 KW	5.92 KW	1 KW	0.7 KW	0.6 KW	0.6 KW	0.6 KW	0.6 KW	1 KW	1 KW
db type/rating	MCCB/80A	MCCB/80A	RCBO/16A	RCBO/16A	RCBO/16A	RCBO16A	RCBO/16A	RCBO/16A	RCBO/16A	RCBO/16A
CABLE SIZE	NOTE 6	NOTE 6	2×6	2×6	2×6	2×6	2×6	2×6	-	-
DESCRIPTION OF FEEDER	INCOMING FROM 110VAC UPS (INVERTER)	INCOMING FROM 110VAC UPS (INVERTER)	DCS SYSTEM & MARSHALING PANEL	ESD SYSTEM& MARSHALING PANEL	OPERATOR WORKSTATION MARSHALING PANEL	DCS ENGINEERING WORKSTATION	ESD ENGINEERING WORKSTATION	PRINTERS	SPARE	SPARE

- NOTES 1- MANUAL BYPASS SWITCH SHALL BE CONSIDERED MAKE BEFORE BREAK TYPE.
- 2- THE OVERALL ALARM/FAULT SIGNAL SHALL BE SENT TO PROCESS CONTROL SYSTEM (PCS) PANEL BY DRY CONTACT.
- 3- OUTPUT FEEDERS TO PCS PANEL SHALL BE CONSIDERED DOUBLE AND SEPARATE.
- 4- AC STABILIZER SHALL BE CONSIDERED SERVO CONTROL TYPE.
 5- UPS SHALL BE CONSIDERED 12 PULSE.
- 6- CABLE SIZES SHALL BE CONSIDERED AFTER FINALIZING
 "ELECTRICAL POWER & CONTROL CABLE LIST EXTENSION OF
 BINAK B/C MANIFOLD DOC, NO BK-WOO7S-PEDCO-110-EL-LI-0002"
- 7- THIS SINGLE LINE DIAGRAM IS VALID FOR 110 YAC UPS. 8- ALL DEVICES SHALL BE SIZED BY VENDOR.
- 9- INTERLOCKS WILL BE PROVIDED TO INHIBIT BATTERY BOOST CHARGE IF BATTERY ROOM VENTILATION IS OUT OF SERVICE.
- 10- INTERLOCKS WILL BE PROVIDED TO ACTIVE BATTERY ROOM VENTILATION WHEN UPS IS ON BATTERY BOOST CHARGE MODE.
- MYRN OPS IS ON BATTERY BOUST CHANGE MOULE.

 IT AUTOMATIC BATTERY ISOLATION FACILITY SHALL BE PROVIDED FOR INCOMING MCCB OF BATTERY BANK. INCOMING MCCB OF BATTERY BANK SHALL BE OPEN WHEN FAG SYSTEM SEND BATTERY INSULATION SIGNAL TO THE UPS.
- SIGNAL TO THE UPS,

 12 AN EARTH FAULT MONITORING SHALL BE CONSIDERED FOR EVERY 10

 FEEDERS FOR EASY OF FINDING FAULTY BRANCH.

 3 METERING AND PROTECTION SYSTEM SHALL BE COMPLETED BASED
 ON AC UPS SPECIFICATION AND DETAILED INFORMATION SHALL BE
 INDICATED ON VENDOR DRAMING.
- 14- THE BODY OF PANELS SHALL BE EARTHED DIRECTLY FROM TWO POINT
- 15- SINCE 1.5 KW OF 110 VAC UPS WILL SUPPLY 24 VDC EXISTING MARSHALLING SYSTEM, THEREFORE A CONVERTOR 110 VAC TO 24 VDC SHALL BE CONSIDERED BY VENDOR ON DISTRIBUTION PANEL OF UPS.
- SHALL BE CONSIDERED BY VENDOR ON IDSTRUMINO PAPAL OF UPS.

 AT THE BID STACK, EMBODE SHALL CONSIGER IF IT IS POSSIBLE TO CONNECT THE 1.5 MY DEMAND OF 24 VICE DISTING TO DE LINK OR ONLY. IF YES, THE VOTE 1 WILL BE DILETTED & NOY CONNECTION OF THE VENDOR OF

I PC	DN	n	

SHIINT

麔 INVERTER

CHARGER

AC STABILIZER

STATIC SWITCH BATTERY

SWITCH FUSE

MOULDED CASE CIRCUIT BREAKER

MINIATURE CIRCUIT BREAKER

FUSE

DIODE

CONTRACTOR

ELECTRICAL CONNECTION

(4) AMMETER

• VOLTMETER

CURRENT TRANSFORMER 64 EARTH FAULT RELAY

OVER VOLTAGE RELAY

27 UNDER VOLTAGE RELAY

TRANSFORMER

FREQUENCY METER (DIGITAL TYPE) ĤĐ

Pls.c SURGE ARRESTER

RADIO FREQUENCY INTERFACE - Rn

REFERENCE DRAWING SPECIFICATION FOR UPS SYSTEM BK-GNRAL-PEDCO-000-EL-SP-0000 CALCULATION NOTE FOR UPS SYSTEM BKNEISION OF BINAK B/C MANIPOLD
DATA SHEBBI POP UPS EXTENSION OF BINAK B/C MANIPOLD
BK-W007S-PEDCO-110-EL-DT-0002

DOS MAR.2022 APC ILBANICIA MARININA MARININA MARININA MARININA MARININA MARININA MARININA MARI														
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	D03	MAR,2023	APC	HJSHAKIBA	MUTAKHARIAN	W.WEZHRSHLAD	44,89							
DOO MAR.2022 IPC H.SHAUBA M.PAKHARIM M.MEHRIMUD	D02	OCA/5055	IFA	H,SHAKIBA	MEPAKHARIAN	N. WESTRONALD	44,11	***	********	**,**	****	**,**	***,****	
DOO MAR.2022 IPC H.SHAGBA M.FANHARIAN N.MICHESHAD	DO1	SEP.2022	IFA	H.SHAKIBA	MUPAKHARIAN	N. WEHRSHAD	,00	DEV	peddpipeion	BY	DATE	BY	DATE	
REV. DATE P.O.1.8 PREP. CHK. APP. AUT. متعلق به شرکت علی مناطق هند غیز چنرپ میباشد. PREP. CHK. APP. AUT.	D00	MAR.2022	IPC	HJSHAKIBA	M.FAKHARIAN	W.WEHRSHLAD	**,**	KET.	DESCRIPTION	CHECKED		REV. APPR.		
	REV.	DATE	P.0.1.8	PREP.	CHK.	APP.	AUT.	و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت غیز جنوب میباشد.						

PROJECT NAME: BINAK OILPIELD DEVELOPMENT/SUB-SURPACE WORK PACKAGES
WOOTS WHIP & EXTENSION OF BINAK B/C PROJECT NO.: 971020

EPC CONTRACTOR: **CAPPERAN**

PEDCO

EPD/EPC CONTRACTOR (GC):

DEVELOPMENT

PETROIRAN

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THE COPYRICHT 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. ONSTRUCTION PERMITTED UNLESS DRAWING APPROVED D FOR CONSTRUCTION BY: DATE:

(VENDOR TITLE BLOCK)**

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DRAWING TITLE:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
UPS SINGLE LINE DIAGRAM - EXTENSION OF BINAK B/C MANIFOLD					APPROVED FOR CONSTRUCTION BY: DATE:								
SCAL	E SIZE	DRAWII	NG NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
NTS	AB	BK-W007S-PEDCO	-110-EL-SL-0002	04 OF 04	D03	053-073-9184	F	8	P	708028	04 OF 04	D03	