UPS SINGLE LINE DIAGRAM EXTENSION OF BINAK B/C MANIFOLD REFERENCE DRAWING SPECIFICATION FOR UPS SYSTEM BK-GNRAL-PEDCO-000-EL-SP-0003 CALCULATION NOTE POR UPS SYSTEM BK-W007S-PEDCO-110-EL-CN-0002
BXTENSION OF BINAK B/C MANIPOLD
BK-W007S-PEDCO-110-EL-DT-0002
EXTENSION OF BINAK B/C MANIPOLD H.SHAKIBA M.PAKHARIAN A.M.MORSENI \*\*\*\* H.SHAKIBA W.FAKHARIAN W.WEHRSHAD \*\*.\*\* BY DATE BY DATE 2202.RAM 000 H.SHAKIBA W.FAKHARIAN W.WEHRSHAD \*\*.\*\* CHECKED REV. APPR. REV. DATE P.O.I,S PREP. CHK. APP. AUT. اصل و کلیه تسخ این نقشه و حق اقتباس مثملق به شرکت ملی مناطق نفت خیز جنوب میباشد. PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES WOODS WHE & EXTENSION OF BINAK B/C THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS 971020 PETROIRAN DEVELORY BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C DEVELOPMENT DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. UPS SINGLE LINE DIAGRAM - EXTENSION OF BINAK B/C MANIFOLD APPROVED FOR CONSTRUCTION BY: SCALE SIZE DRAWING NO. SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION BK-W0078-PEDCO-110-BL-SL-0002 01 OF 04 D04 068-078-9184 F 2 P 708028 01 OF 04 D04

## TABULATION OF REVISED PAGES

PAGE	REV. 00	REV. 01	REV. 02	REV. 03	REV. 04	REV. 05
1	Х	Х	Х	Х	Х	
2	Х	Х	Х	Х	Х	
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REFERENCE DRAWING	DRG, No.
SPECIFICATION FOR UPS SYSTEM	BK-GNRAL-PEDCO-000-EU-SP-0003
CALCULATION NOTE FOR UPS SYSTEM ENTENSION OF BINAK B/C MANIFOLD	BK-W0075-PEDC0-110-EL-CN-0002
DAYA SHEETS FOR UPS EXTENSION OF BINAK B/C NAMIPOLD	BK-W0078-PEDCO-110-EL-DT-0002

ı	D04	MAY.2028	APC	H.SHAKIBA	W.PAKHARIAN	A. M. MOORSEN!	44,44						
	D08	MAR.2023	APC	H.SHAKIBA	W.PAKHARIAN	W.WEHRSHAD	17,50						
	D05	SS03.TD0	IPA	H.SHAKIBA	W.FAKHARIAN	W.WEHRSHAD	64,66	***	*******	,	****	**,**	***
	D01	SEP.2022	IPA	H.SHAKIBA	W.FAKHARIAN	W.WEHRSHAD	64,69	REV.	DESCRIPTION	BY	DATE	BY	DATE
	D00	MAR.2022	IPC	H.SHAKIBA	W.FAKHARIAN	W.WEHRSHAD	80,00	MET.	DESCRIPTION	CHE	CKED	REV.	APPR.
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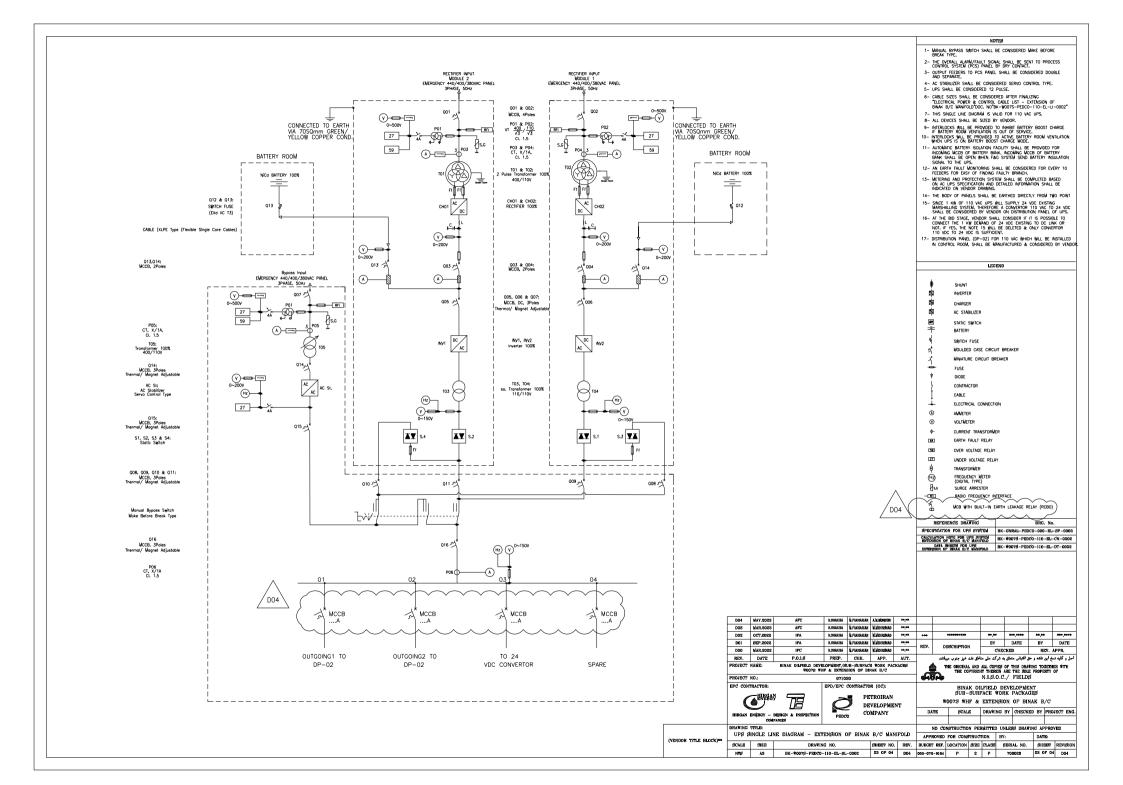
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PETROIRAN DEVELOPMEN DEVELOPMENT COMPANY

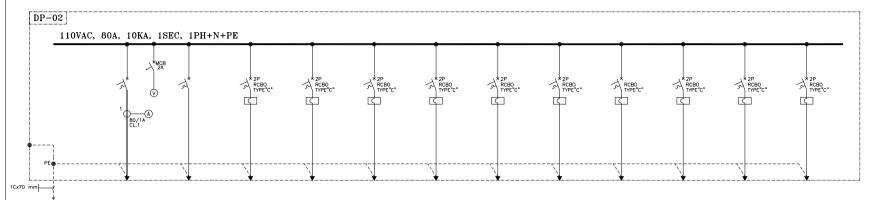
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES WOO7S WHF & EXTENSION OF BINAK B/C

UPS SINGLE LINE DIAGRAM - EXTENSION OF BINAK B/C MANIFOLD APPROVED FOR CONSTRUCTION BY: | SCALE | SIZE | DRATEGY NO. | SHEET NO. | SEV. | SHORTEN NO. | SEV. | SEV. | SEVERAL NO. | SHEET NO. | SEV. | SHEET NO. SCALE SIZE DRAWING NO.







## CATEGORY

CATEGORY												
CODE	F01	F02	F03	FO4	F05	F06	F07	F08	F09	F10	F11	F12
P (KW)	5.92 KW	5.92 KW	1 KW	1 KW	0.7 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	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	2×6	2×6	-	-
DESCRIPTION OF FEEDER	INCOMING FROM 110VAC UPS (INVERTER)	INCOMING FROM 110VAC UPS (INVERTER)	DCS (SYSTEM& MARSHALING) PANEL	DCS (SYSTEM& MARSHALING) PANEL (REDUNDANT)	ESD (SYSTEM& MARSHALING) PANEL	ESD (SYSTEM& MARSHALING) PANEL (REDUNDANT)	OPERATOR WORKSTATION	DCS ENGINEERING WORKSTATION	ESD ENGINEERING WORKSTATION	PRINTERS	SPARE	SPARE

NOTES

- 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
- 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 WANFOLD DOC, NO BK-WOO7S-PEDCO-110-EL-LI-0002"
- 7- THIS SINGLE LINE DIAGRAM IS VALID FOR 110 VAC UPS,
- 8- ALL DEVICES SHALL BE SIZED BY VENDOR.
- 9- INTERLOCKS WILL BE PROWDED 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.
- WERL UPS IS ON BATTERY BOOST UNIFICE WORKE WOOD.

  II AUTOMATIC BATTERY ISOLATION FACILITY SHALL BE PROVIDED FOR INCOMING MICES OF BATTERY BANK. INCOMING MICES OF BATTERY BANK. INCOMING MICES OF BATTERY BOOLATION SCHALL TO THE UPS.

  ISOLAL TO THE UPS.

  II AN EARTH FAULT WONTORNIC SHALL BE CONSIDERED FOR EVERY 10 FEEDERS FOR EXTY OF PROMISE FAULT BRONK FAULT BRONK FOR EXTY OF THE ONE FAULT BRONK FAULT F
- 13— METERING AND PROTECTION SYSTEM SHALL BE COMPLETED BASED ON AC UPS SPECIFICATION AND DETAILED INFORMATION SHALL BE INDICATED ON VENDOR DRAWING.
- 14- THE BODY OF PANELS SHALL BE EARTHED DIRECTLY FROM TWO POINT
- 14 THE BODY OF PANCES SHALL BE EMPHED DIRECTLY FROM MID POINT

  SHEET IS NOW OF THE VALUE OF SHELL SHEPP, 22 YEAR CERSING

  SHALL BE CONSISTED BY VENDOR ON DISTRIBUTION PANEL OF UPS.

  AT THE BIS STALE, VENDOR SHALL CONSIGNE IT IN FOSSIBLE TO

  CONNECT THE 1.5 MY BEAUND OF 24 NOT DISTRIBUTION PANEL OF UPS.

  TO CONTROL OF SHELL SHALL CONSIGNE IT IN FOSSIBLE TO

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- CHARGER
- AC STABILIZER
- STATIC SWITCH BATTERY
- SWITCH FUSE
- MOULDED CASE CIRCUIT BREAKER MINIATURE CIRCUIT BREAKER
- DIODE
- CONTRACTOR
- CABLE
- ELECTRICAL CONNECTION AWWETER
- VOLTMETER
- CURRENT TRANSFORMER 64 EARTH FAULT RELAY
  - OVER VOLTAGE RELAY
- 227 UNDER VOLTAGE RELAY
- TRANSFORMER œ FREQUENCY METER (DIGITAL TYPE)
- Pisc SURGE ARRESTER **è**2 RADIO FREGUENCY-INTERFACE

MCB WITH BUILT-IN EARTH LEAKAGE RELAY (RCBO)

REFERENCE DRAWING SPECIFICATION FOR UPS SYSTEM BK-GNRAL-PEDCO-000-EL-SP-0003 CALCULATION NOTE POR UPS SYSTEM BK-WOO7S-PEDCO-110-EU-CN-0002 BXTENSION OF BINAK B/C MANIPOLD BK-WOO7S-PEDCO-110-EL-DT-0002 EXTENSION OF BINAK B/C MANIPOLD BK-WOO7S-PEDCO-110-EL-DT-0002

D04	MAY.2028	APC	H.SHAKIBA	W.PAKHARIAN	A. M. MOORSEN!	44,44						
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D04

PROJECT NAME: BINAK OILPHILD DEVELOPMENT/SUB-SURPACE WORK PACKAGES
W0075 WHF & EXTENSION OF BINAK B/C PROJECT NO.: 971020

EPC CONTRACTOR **ENREGAN** HIRGAN ENERGY - DESIGN & INSPECTION

EPD/EPC CON

PETROIRAN DEVELOPMENT COMPANY

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WOO7S WHF & EXTENSION OF BINAK B/C DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

(VENDOR TITLE BLOCK)**	DRAWING		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED										
	UPS S	INGLE LI	ne diagram – ext	TENBION OF BINAK	B/C MAN	POLD	APPROVED	FOR CONE	TRUCT	ION	BY:	DATE:	
	SCALE	Size	DRAWIN	(G NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
	NTS	AS	BK-W007#-PEDCO	-110-EL-SL-0002	04 OF 04	D04	058-078-9184	P	2	P	708028	04 OF 04	D04