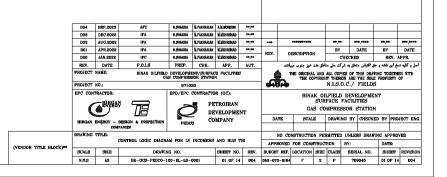
## CONTROL LOGIC DIAGRAM FOR LV INCOMERS AND BUS TIE



NOTES

ABBREVIATION

REFERENCE DRAWING

LV SWITCHGEAR/MCC SINGLE LINE DIAGRAM BK-6CS-PEDCO-120-EL-SU-0002 ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS POR LV PANEL BK-6CS-PEDCO-120-EL-DG-0002

DRC. No.

## INDEX SHEET

SHEET No.	DESCRIPTION	D00	D01	D02	D03	D04
01	COVER SHEET	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
02	INDEX SHEET	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
03	LV SWITCHGEAR / LEGEND	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
04	LV SWITCHGEAR / SIPLIFIED SINGLE LINE DIAGRAM & SYSTEM DESCRIPTION	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
05	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING A CLOSE)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
06	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING A OPEN)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
07	LV SWITCHGEAR / LOGIC DIAGRAM BUS COUPLER C CLOSE)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
08	LV SWITCHGEAR / LOGIC DIAGRAM BUS COUPLER C OPEN)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
09	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING B CLOSE)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
10	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING B OPEN)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
11	LV SWITCHGEAR / LOGIC DIAGRAM BUS COUPLER D CLOSE)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
12	LV SWITCHGEAR / LOGIC DIAGRAM BUS COUPLER D OPEN)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
13	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING E CLOSE)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
14	LV SWITCHGEAR / LOGIC DIAGRAM (INCOMING E OPEN)	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	

D04 SEP.2023 D08 DEC.2022 APC H,SHAKIBA W,PAKHARIAN A.M.MORSENI \*\*\*\*\* IPA H.SHAKIBA W.PAKHARIAN W.WEHRSHAD H SHARDA V JULIARAN V WEIRSHO \*\*\*\* H SHARDA V JULIARAN V WEIRSHO \*\*\*\* H SHARDA V JULIARAN V WEIRSHO \*\*\*\* H SHARDA V JARAAN V VEIRSHO \*\*\*\* D02 AUG,2022 D01 APR.2022 -----IPA \*\*\*\*\*\* IPA BY DATE BY DATE CHECKED REV. APPR, DESCRIPTION 2505.MAL 000 IFC REV. DATE P.O.LS PREP. CHK. APP. AUT. احل و کلیه تسغ این نقشه و حقَّ القباس مثطان به شرکت هلی متأطق نفت خیز جنوب هیباشد. PROJECT NAME: BINAK OILPIELD DEVELOPMENT/SURPACE PACILIVIES GAS COMPRESSOR STATION THE ORIGINAL AND ALL COPIES OF THIS DRAWING TODETHER WITH THE COPYRICHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS PROJECT NO .: 971020 EPC CONTRACTOR: EPD/EPC CONTRACTOR (CC): BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES PETROIRAN DEVELOPMENT COMPANY GAS COMPRESSOR STATION DATE SCALE DRAWING BY CHECKED BY PROJECT ENG. HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES DRAWING TUTLE: NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED CONTROL LOGIC DIAGRAM FOR LV INCOMERS AND BUS THE DL LOGIC DIAGRAM FOR LV INCOMERS AND BUS 702
APPROVED FOR CONSTRUCTION BY: DATE
DRAWING NO. SHEEPT NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEEPT REVISION (VENDOR TITLE BLOCK)\*\* SCALE SIZE N.W.S A3 BK-CCS-PEDCO-120-EL-LD-0001 02 OF 14 D04 053-073-9164 F 2 P 709046 02 OF 14 D04

NOTES

ABBREVIATION

REFERENCE DRAWING

LV SWITCHGEAR/MCC SINGLE LINE DIAGRAM BK-GCS-PEDCO-120-EL-SU-0002 ELECTRICAL WYPICAL SCHEMATIC DIAGRAMS BK-GCS-PEDCO-120-EL-DG-0002 FOR LV PANEL BK-GCS-PEDCO-120-EL-DG-0002

DRC. No.

LEC	GEND
AND" GATE	(49) THERMAL OVER CURRENT RELAY
□_≥1 "OR" GATE	60 INSTANTANEOUS OVER CURRENT RELAY
-& "NAND" GATE	(60) INSTANTANEOUS GROUND FAULT OVER CURRENT RELAY
t=* TIME DELAY	(600) INSTANTANEOUS EARTH LEAKAGE RELAY
	61 TIME DELAYED OVER CURRENT RELAY
G GENERATOR	(51) TIME DELAYED GROUND FUALT OVER CURRENT RELAY
	(510) TIME DELAYED EARTH LEAKAGE RELAY
L EARTHING SWITCH	611R LOCKED ROTOR RELAY
M MOTOR	(59) OVER VOLTAGE RELAY
	(63) PRESSURE SWITCH
	GARE RESTRICTED EARTH FAULT RELAY
24 OVER FLUX RELAY	(66) START PER HOUR RELAY
25 CHECK SYNCHRONIZING RELAY	(67) AC DIRECTIONAL OVERCURRENT RELAY
28 THERMAL DEVICE	(7) LEVEL SWITCH
27 UNDER VOLTAGE RELAY	(80) BUCHHOLZ RELAY
(27R) RESIDUAL VOLTAGE RELAY	(8) LEVEL SWITCH
32 DIRECTIONAL POWER RELAY	(86) LOCKOUT RELAY
(46) PHASE UNBALANCE / REVERSAL RELAY	(87) DIFFERENTIAL RELAY
(47) PHASE BALLANCE VOLTAGE RELAY	

DOI         APE2032         IPA         RAMUSA         L/DORADE         REV.         DBSCIEIPTION         BY         DATE         I           DOI         APE2032         IPA         RAMUSA         L/DORADE         Non-         BY         DATE         I           DOI         APE2032         IPA         RAMUSA         L/DORADE         Non-         EV.         DBSCIEIPTION         BY         DATE         I           BOD         ALALOSE         IPC         RIK         L/DORADE         APP.         AUT.         I         I/Log //J //Log																	
DD2         ALL         DD2         ALL         DD3         APE 2002         IFA         LUMBRADE         LUMBRADE         IFA         ALL         IFA							1		11,10	A. MARINE SERVI	¥.pakharian	H,SHAKIBA	AFC	SEP.2023	D04		
DDI         4/98.2002         1/PA         1/94.0008         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000         1/1000									****	N.VEHRSHAD	¥.pakharian	H,\$HAKIBA	IPA	DEC.2022	D08		
DOD         ALX-DOZ         IFC         Instruction         Linguistical         REV.         DESCRIPTION         CHECKED           REV.         DATE         P.0.151         PROP.         CHK.         APP.         ALX.		*****	• •	**,*		******		***	40,00	N.VEHRSHAD	W.FAKHARIAN	H <i>s</i> hakiba	IPA	AUG,2022	DOS		
DOD         ANA.002         IPC         INAMUNE         VILVERARUM         VILVERARUM <th< td=""><td>BY DATE</td><td>DATE</td><td></td><td>BY</td><td></td><td>-</td><td></td><td>DEV</td><td>eries</td><td>N.VEHRSHAD</td><td>W.FAKHARIAN</td><td>H,\$HAKIBA</td><td>IPA</td><td>APR.2022</td><td>D01</td><td></td></th<>	BY DATE	DATE		BY		-		DEV	eries	N.VEHRSHAD	W.FAKHARIAN	H,\$HAKIBA	IPA	APR.2022	D01		
	REV. APPR.	9	неске	1	N.	ascrar-no		K.54.	****	W.WEHRSHAD	¥.pakharian	H,SHAKIBA	IPC	3805, MAL	D00		
	اصل و کلیه تسخ این نقشه و حق ا	حق أقلباس مل	نطل په شر ا	لد ملی منا	اطق نفت	ځېز جلوب مېږ	باشد.		AUT.	APP.	CHK.	PREP.	P.O.I.S	DATE	REV.		
EPC CONTRACTOR:         EPD/EPC CONTRACTOR (CC):         BINAK OIL/FELD DEVELOPMENT           INFRAME         INFRAME <td>RAWING TODEVINER WITH OLE PROPERTY OF</td> <td colspan="5">THE ORIGINAL AND ALL COPIES OF THIS DRAWING TODETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF</td> <td></td> <td>'E PACILIVIES N</td> <td>INT/SURPAC</td> <td>) developni As compres</td> <td>BINAK OILFIELD</td> <td>NAME:</td> <td>PROJECT</td> <td></td>	RAWING TODEVINER WITH OLE PROPERTY OF	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TODETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF						'E PACILIVIES N	INT/SURPAC	) developni As compres	BINAK OILFIELD	NAME:	PROJECT				
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CONTROL LOGIC DLAGRAM FOR L/ INCOMERS AND BUS TILE         PROVIDE OR CONSTRUCTION         DIM           GOLDE         SIZE         DRAWING NO.         SHEET NO.         REF.         BUGGTE REF.         LOCATON BIZE CLASS         SERIAL NO.         S	KED BY PROJECT ENG	CHECKE	NG BY	DRAWI	LE	SCAI	TE	DA	•		do	PEDC			HIRGAN		
Scale         State         Drawing No.         Sheet No.         Rev.         Budget Rev.         Dcatting No.         Sheet No.         State         State         No.         No. <t< th=""><th colspan="6">NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED</th><th></th><th></th><th></th><th></th><th></th><th></th><th>DRAWING</th><th></th></t<>	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED												DRAWING				
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N.TLS A3 BK-CC(5'-PEDCO-120-EL-LD-0001 03 0F 14 D04 053-073-9164 F 2 P 709045 05	). SHEET REVISION	IAL NO.	SER	CLASS	SIZE	LOCATION	T REF.	BUDGE	REV,	SHEET NO.		NC NO.	DRAWI	SIZE	SCALE	(VERDOR TILE BLOCK)	
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NOTES

ABBREVIATION

REPERENCE DRAWING DRG. No. LV SWITCHGEAR/MCG SINGLE LINE DIAGRAM BK-GG-PERCO-120-BL-SB-0002 ELECTINICAL TYPECAL SCHEMATE DIAGRAMS BK-GG-PERCO-120-BL-DG-0002

