Г		NOTES
	CAPACITOR BANKS SINGLE LINE DIAGRAM	LECTEND  REFERENCE DRAWING BLECTREAL STORE LINE DIAGRAM BE-COS-PERCO-120-E-S-C-0001 DATA SHREITS FOR CAPACITOR BANK BK-CCS-PERCO-120-E2-E7-0007
		REV. DESCRIPTION  THE CORDINAL AND ALL COPIES OF THE DATE  HE COPPISSON ALL COPES OF THE DATE OF THE PROPERTY OF THE CORDINAL TO THE PROPERTY OF THE CORDINAL AND ALL COPES OF THE DATE OF

	LEG	END		
25	SYNCHRONIZING CHECK RELAY	*	MOULDED CASE CIRCUIT BREAKER	
27)	UNDER VOLTAGE RELAY	4	CONTACTOR (CONTACT OPEN IN THE UNOPERATED POSITION)(N.O.)	
46	REVERSE PHASE OR PHASE BALANCE CURRENT RELAY	<b>⊣</b> ⊟⊢	SWITCH FUSE	
47)	PHASE SEQUENCE OR PHASE BALANCE VOLTAGE RELAY	vs	VOLTMETER SELECTOR SWITCH	
49	THERMAL OVERLOAD RELAY	AS	AMMETER SELECTOR SWITCH	
50	INSTANTANEOUS OVER CURRENT RELAY	A-0-W	SELECTOR SWITCH	
51	TIME DELAYED OVER CURRENT RELAY	•	LED TYPE SIGNAL LAMP	
(50N)	INSTANTANEOUS EARTH FAULT RELAY		TRANSFORMER	
(51N)	INVERSE TIME EARTH FAULT RELAY	Ф	CURRENT TRANSFORMER	
(50 <b>d</b> )	INSTANTANEOUS EARTH FAULT RELAY (BY ZERO SEQUENCE CT)	+	CABLE GLAND	
(61 <b>d</b> )	INSTANTANEOUS EARTH FAULT RELAY (BY ZERO SEQUENCE CT)	<b>\rightarrow</b>	CABLE SEALING END	
59	OVER VOLTAGE RELAY		POWER CABLE CONTROL CABLE	
63	LIQUID AND GAS PRESSURE RELAY	APFR	AUTOMATIC POWER FACTOR REGULATOR	
64	GROUND DETECTOR RELAY	PH.C.	PHASE SEQUENCE OR PHASE BALANCE RELAY (47)	
74	TRIP CIRCUIT SUPERVISION	•——	EARTHING SWITCH	
86	LOCK OUT RELAY	•——	LIGHTNING ARRESTER OR SURGE ARRESTER	
94	INTERTRIP RECEIVE RELAY			
þ	THERMAL OVERLOAD RELAY (49)	1	DOI	P



/D01 \

1- ALL EQUIPMENT REATING WILL BE FINALIZED BY VENDOR.

2- INCOMING CABLE SIZE WILL BE ACCORDING TO \*CALCULATION NOTE FOR CABLE SIZING\*(BK-GCS-PEDCO-120-EL-CN-0003) 3- MCCB WITH LSI FUNCTION INCLUDES:

NOTES

- MUCH WITH LET FUND WITH MEAN THE CHAPTER AT THE DELAY FUNCTION 11: LONG THE DELAY, SETUP CURRENT & THE DELAY FUNCTION 11: INSTANTANEOUS, SETUP CURRENT & THE DELAY FUNCTION 11: ROTANTANEOUS, SETUP CURRENT & THE DELAY FUNCTION 11: OF GROUND

4- VENDOR SHALL MODIFY THIS SINGLE LINE IAGRAM ACCORDING TO IPS-M-EL-181(2)

5- ALL SWITCH FUSES SHALL BE STRIKER PIN TYPE WITH FAULT MICRO SWITCH. 6- SINCE THERE ARE VFD ON LY SWITCHGEAR, VENDOR SHALL CONSIDER ANY TECHNICAL REQUIREMENT FOR CAPACITORS SELECTION.

8- ALL CAPACITORS SHALL BE PROWDED WITH A DISCHARGE RESISTOR, CHARACTERISTICS OF WHICH SHALL BE SPECIFED BY VENDOR, CAPACITORS MUST DISCHARGE TO RESIDUAL VOLTAGE LESS THAN 75V WITHIN 3 MINUTES.

9- THE CAPACITOR BANK RATING POWER SHOULD BE CONSIDERED IN 400V/11kV, BUT CAPACITOR RATING VOLTAGE SHOULD BE 440V/12kV.

LECEND

REFERENCE DRAWING	DRG. No.				
ELECTRICAL OVERALL SINGLE LINE DIAGRAM	BK-dds-PEDCO-120-EL-SL-0001				
CALCULATION NOTE FOR CAPACITOR BANKS	BK-GCS-PEDCO-120-EL-CN-0011				
DATA SHEETS FOR CAPACITOR BANK	BK-GCS-PEDCO-120-EL-DT-0007				

KEY PLAN

							***	******	**.**	***,****	89,69	***,****	
D01	JUL,2022	IPA	HJSMAKIBA	<b>Ú.PAKHARIAN</b>	W.WEHRSHAD	M,10.	REV.	DESCRIPTION	BY	DATE	BY	DATE	
D00	FEB.2022	IFC	HJSMAKIBA	<b>Ú.PÁKHARIAN</b>	W.MEHREMAD	24,544	nev.	REV. DESCRIPTION		CHECKED REV. AI		APPR.	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و حق التبلس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.						
PROJECT	NAME:	BINAK OILFIELD GA	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF										
PROJECT	PROJECT NO.: 971020							Pe	N.I.S.O.C	./ FIELD	ø		

EPC CONTRACTOR:

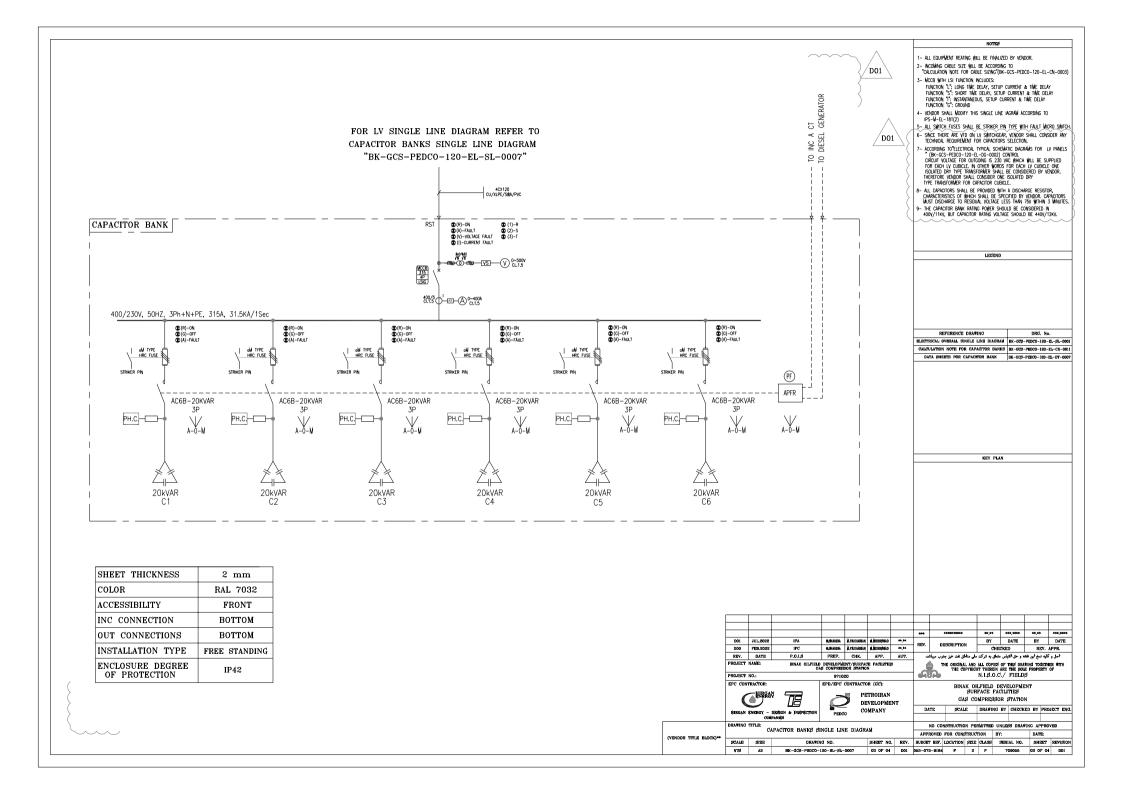
EPD/EPC CONTRACTOR (GC): PEDCO

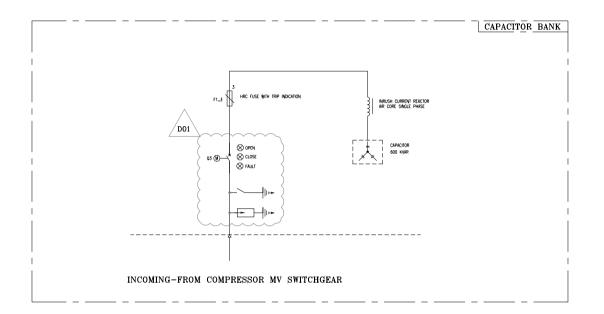
PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION SCALE DRAWING BY CHECKED BY PROJECT ENG.

(VENDOR TITLE BLOCK)\*\*

	cu	MENNIGO											
RAWING I		ADACITOD DANKS S	INCLE LINE DIAGO	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						VEID			
CAPACITOR BANKS SINGLE LINE DIAGRAM							APPROVED FOR CONSTRUCTION			BY:	DATE:	ATE:	
SCALE	SIZE	DRAWIN	IG NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
NTIS	AB	BK-GCS-PBDCO-	120-BL-SL-0007	02 OF 04	DO1	063-073-918	P	5	P	709055	02 OF 04	D01	





SHEET THICKNESS	2 mm
COLOR	RAL 7032
ACCESSIBILITY	FRONT
INC CONNECTION	воттом
OUT CONNECTIONS	воттом
INSTALLATION TYPE	FREE STANDING
ENCLOSURE DEGREE OF PROTECTION	IP42

1- ALL EQUIPMENT REATING WILL BE FINALIZED BY VENDOR.

2- Incoming cable size will be according to

\*Calculation note for cable sizing (bx-gcs-pedco-120-el-cn-0003) 3- MCCB WITH LSI FUNCTION INCLUDES:

NOTES

- MUCH WITH LET FUND WITH MEAN THE CHAPTER AT THE DELAY FUNCTION 11: LONG THE DELAY, SETUP CURRENT & THE DELAY FUNCTION 11: INSTANTANEOUS, SETUP CURRENT & THE DELAY FUNCTION 11: ROTANTANEOUS, SETUP CURRENT & THE DELAY FUNCTION 11: OF GROUND

4- VENDOR SHALL MODIFY THIS SINGLE LINE IAGRAM ACCORDING TO IPS-M-EL-181(2)

/D01

5- ALL SWITCH FUSES SHALL BE STRIKER PIN TYPE WITH FAULT MICRO SWITCH. 6- SINCE THERE ARE VFD ON LY SWITCHGEAR, VENDOR SHALL CONSIDER ANY TECHNICAL REQUIREMENT FOR CAPACITORS SELECTION.

TECHNOLL ROUBENIENT FOR CHARGIORS SELECTION.

"OR-COSTONE OF LEGERICAL PRIOR LA SCHARLE DURANIA FOR LY PANELS
"OR-COST-PECO-1-20-EL-0G-0002) CONTROL

FORCH VI CUBRICLE. NI OTHER WORDS FOR EACH LY CUBRICE ONE
SOLATED PRIFT TRANSPORMER SHALL BE CONSIDERED BY VINDOR,
HEREFORE VINDOR SHALL CONSIDER DHY CHARGE VINDOR,
THE TRANSPORMER FOR CHARGIOR CHIEFLE.

B- ALL CAPACITORS SHALL BE PROVIDED WITH A DISCHARGE RESISTOR, CHARACTERISTICS OF WHICH SHALL BE SPECIFED BY VENDOR, CAPACITORS MUST DISCHARGE TO RESIDUAL VOLTAGE LESS THAN 75V WITHIN 3 MINUTES.

9- THE CAPACITOR BANK RATING POWER SHOULD BE CONSIDERED IN 400V/11kV, BUT CAPACITOR RATING VOLTAGE SHOULD BE 440V/12kV.

|--|

REFERENCE DRAWING	DRG. No.
electrical overala single line diagram	BK-dds-PEDCO-120-EL-SL-0001
CALCULATION NOTE FOR CAPACITOR BANKS	BK-GCS-PEDCO-120-EL-CN-0011
DATA SHEETS FOR CAPACITOR BANK	BK-CCS-PEDCO-120-EL-DT-0007

KEY PLAN

							***	******	***	***,****	**.**	***,****
D01	101"5055	IFA	HJSMAKIBA	<b>Ú.PAKHARIAN</b>	W.WEHRSHAD	**,**	REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	FEB.2022	IFC	HASMAKIBA	<b>Ú.PÁKHARIA</b> K	W.MEHRSHAD	34,54	nev.	MAY. DESCRIPTION		CHECKED RE		APPR.
REV.	DATE	P.O.I.\$	PREP.	CHK.	APP.	AUT.		ملی متاطق تفت خیز جنوب میباد	متعلق به شرکت	ه و حق أفتيلس	گلیہ نے این ت	اصل و
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES  GAS COMPRESSOR STATION								THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF				
PROJECT NO.: 971020							A	3rb	N.I.S.O.C	./ FIELD	S!	

DRAWING NO.

BK-GCS-PBDC0-120-BL-SL-0007

EPC CONTRACTOR:

NTS A3

PEDCO

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION SCALE DRAWING BY CHECKED BY PROJECT ENG.

HIRGAN ÉNERGY - DESIGN & INSPECTIO COMPANIÉS DRAWING WITLE: CAPACITOR BANKS SINGLE LINE DIAGRAM NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED APPROVED FOR CONSTRUCTION BY: DATE: 

(VENDOR TITLE BLOCK)\*\*

SCALE SIZE