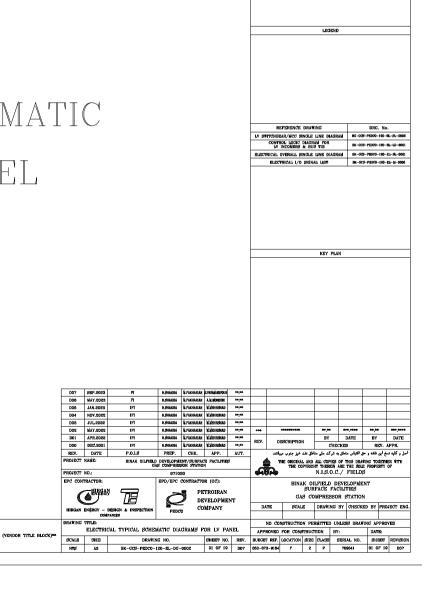
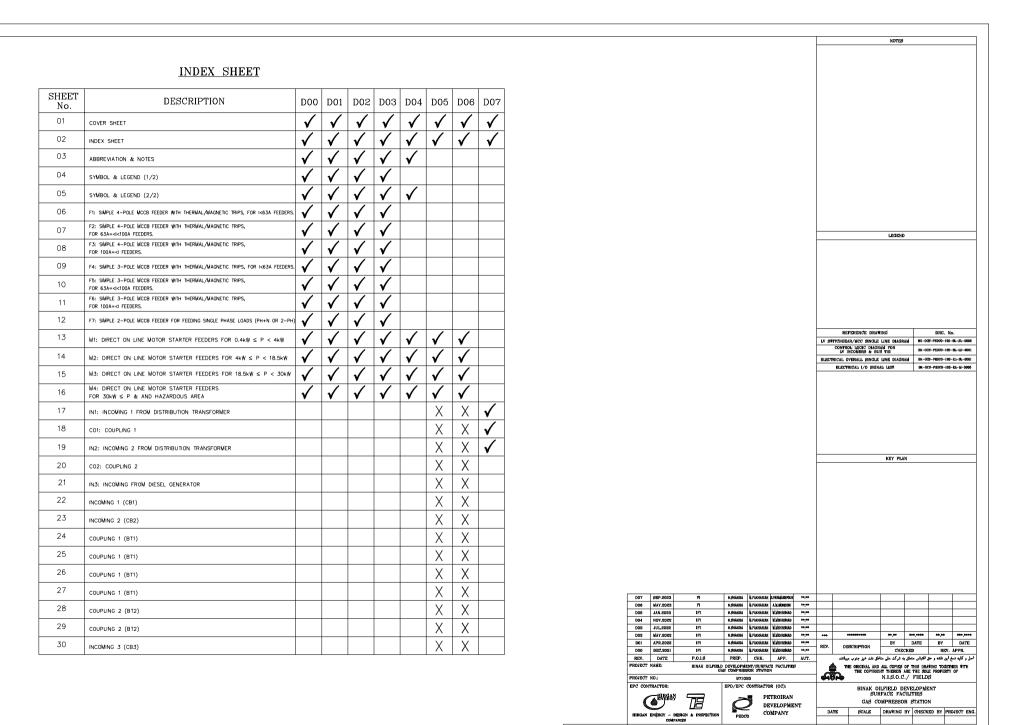
## ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR LV PANEL



NOTES



DRAWING TUPLE:

SCALE SIZE

NWS AS

(VENDOR TITLE BLOCK)\*\*

ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS FOR LV PANEL

DRAWING NO.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE:

APPROVED FOR CONSTRUCTION BY:

BK-CC(\$-PEDCO-120-EL-DC-0002 02 0F 19 D07 063-073-9184 F 2 P 708041 02 0F 19 D07

SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

1 – ABBREVI	ATIONS						
Q:	MAIN SWITCHING DEVICE	PE:	PROTECTING EARTH				
K1:	MAIN CONTACTOR	SP:	SPRING CHARGED CONTACT				
MPCB:	MOTOR PROTECTION CIRCUIT BREAKER	SP:	STOP P/B				
MCCB:	MOULDED CASE CIRCUIT BREAKER	ST:	START P/B				
MCB:	MINIATURE CIRCUIT BREAKER	CBT:	COMMON CIRCUIT BREAKER TRIP				
KA:	AUXILIARY RELAY NO.#	CBR:	COMMON CIRCUIT READY				
TC:	TRIP COIL OF CIRCUIT BREAKER (SHUNT TRIP)	CBF:	COMMON CIRCUIT FAULT				
CB:	CIRCUIT BREAKER	CCB:	CIRCUIT BREAKER CLOSING COIL				
CC:	CLOSE COMMAND	OCB:	CIRCUIT BREAKER OPENING COIL		LEGEND		
OC:	OPEN COMMAND	DG:	DIESEL GENERATOR BUS TIE				
		BT:	CIRCUIT BREAKER FAULT				
P/B:	PUSH BUTTON	CF: CBR:	CIRCUIT BREAKER READY				
PBC:	PUSH BUTTON CLOSE	MAT:	MANUAL ASYNCHRON TRANSFER				
MST:	MANUAL SYNCHRON TRANSFER ATOUMATIC TRANSFER	MT:	MANUAL TRANSFER				
AT: DGCB:	DIESEL GENERATOR CIRCUIT BREAKER	DGCP:	DIESEL GENERATOR CONTROL PANEL		REPERENCE DRAWING DRG. No.		
ESD:	EMERGENCY SHUT DOWN	LCS:	LOCAL CONTROL STATION	-	CONTROL LOGIC DIAGRAM FOR LW INCOMERS & BUS ITE BK-CCS-PEDC0-129-BL-LD-6001		
MOF:	MAKE ON FAULT	IRP:	INTERPOSING RELAY PANEL		ELECTRICAL OVERALL SINGLE LINE DIAGRAM 8K-0GS-PEDCO-120-EU-3k-0001 ELECTRICAL 1/O SIGNAL LIST 8K-GCS-PEDCO-120-EU-3k-0006		
BOF:	BREAK ON FAULT						
2 – CATEGOR	RY DESCRIPTION						
- ALL SWITC	H FUSES SHALL BE EQUIPPED WITH STRIKER PIN.						
	OTOR TYPE FEEDERS INCLUDE 400A & ABOVE SHALL BE ACB I	NSTEAD OF MCC	B.				
START CON							
	- START COMMAND FROM DCS & STOP COMMAND FROM ESD & DCS HAVE BEEN CONSIDERED FOR MOTOR TYPE FEEDER, IF THERE ARE NOT, THESE FACILITIES SHALL BE DELETED.						
	CIRCUIT VOLTAGE FOR INCOMINGS & COUPLERS IS 110 VDC WH						
	FIRCUIT VOLTAGE FOR OUTGOING IS 230 VAC WHICH WILL BE SUPP	LIED FOR EACH L	LV CUBICLE. IN OTHER WORDS FOR EACH	LV CUBICLE ONE ISOLATED DRY TYPE			
	IER SHALL BE CONSIDERED BY VENDOR.						
- EMERGENCY STOP & START PUSH BUTTON SHALL BE CONSIDERED ON INCOMINGS & BUS-TIES.							
· · ·	IN EACH CUBICLE WILL BE PROTECTED BY A MINIATURE CIRCUI						
	CIRCUIT BREAKER OF 30MA SENSITIVITY,THE HEATERS WILL BE FED WITCHGEAR WILL BE FED FROM THE OPPOSITE SECTION OF THE		PPLY WITH REDUNDANCY CIRCUIT THAT FE	EEDING THE HEATERS IN ONE SECTION			
	JSE COMBINATION UNITS SHALL COMPLY WITH SUITABLE FOR UN		,	D07         SHIP_2023         PI         H_SHARDA         V_PARHARIAN         SPARHARIAN         SPARHARIAN         SPARHARIAN         SPARHARIAN         SPARHARIAN         A_LAMONESMI         *****           D06         MAY.2023         PI         H_SHARDA         M_PARHARIAN         A_LAMONESMI         *****			
- FOR FEEDE	ER WITH TYPE M3&M4, CURRENT AND VOLTAGE FAULT SHALL BI	E CONSIDERED S	SEPARATELY BY VENDOR.	D06         JAN.2023         IPI         H.SHARBA         M.FARHARIAN         M.BRINSHO         *****           D04         NOV.2022         IPI         H.SHARBA         M.FARHARIAN         M.BRINSHO         *****           D03         JUL2022         IPI         H.SHARBA         M.FARHARIAN         M.BRINSHO         *****			
- MICROPROC							
3- VENDOR	REV. DESCRIPTION BY DATE BY DATE CHECKED REV. APPR.						
(BK-GCS-	PEDCO-120-EL-LD-0001)" & "LV SWITCHGEAR/MCC SINGLE L	INE DIAGRAM		REV.         DATE         P.O.I.S         PREP.         CHK.         APP.         AUT.           PROJECT NAME:         BINAK OLIPILD DEVELOPMENT/SURRACE PACILIFIES GAS COMPRESSOR SYNTON         CALL         CALL	امل و کلیه دغم این نقده و حق افغالی مشای به شرکت ملی مناطق غد غیز جنوب میباشد. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TODEFHER WITH THE COPYRICHT THEREIN ARE THE SOLE PROPERTY OP		
(BK-GCS-	PEDCO-120-EL-SL-0002)" AS REFERENCES FOR METERING &	SCHEMATIC DIAG	GRAM OF INCOMINGS.	GAS COMPRESSOR STATION     PROJECT NO.: 971020     EPC CONTRACTOR: EPD/REPC CONTRACTOR (GC):	N.I.S.O.C./ FIELDS		
					BINAK OILFIELD DEVELOPMENT Surface facilities Gas compressor station		
				HIRGAN ENERGY - DESIGN & INSPECTION	DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.		
				COMPANIES DRAWING // UTULE:	NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED		
			(VENDOR TITLE BLOCK)*	SCALE SIZE DRAWING NO. SHEET NO, REV.	APPROVED FOR CONSTRUCTION BY: DATE: BUDDET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION		
					063-073-9184 F 2 P 709041 03 0F 19 D07		

NOTES

						Notes
SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	
	MOULDED CASE CIRCUIT BREAKER(3 POLE) WITH OVERLOAD /OVER CURRENT RELAY(MCCB)	27	UNDER VOLTAGE RELAY		NVERSE TIME EARTH FAULT RELAY	
		(47)	PHASE SEQUENCE RELAY	47 49 500	MOTOR PROTECTION RELAY	
	MOULDED CASE CIRCUIT BREAKER(4 POLE) WITH OVERLOAD /OVER CURRENT RELAY(MCCB)	M	MOTOR			
		(49)	THERMAL OVER LOAD RELAY			LEGEND
	MOTORIZED AIR CIRCUIT BREAKER(4 POLE) WITHOUT OVERLOAD /OVER CURRENT RELAY(ACB)	50	INSTANTANEOUS OVER CURRENT RELAY			
ACB 111		(51)	INVERSE TIME OVER CURRENT RELAY			REFERENCE DRAWING DRC. No.
	MOTORIZED AIR CIRCUIT BREAKER(3 POLE) WITH OVERLOAD /OVER CURRENT & INSTANTANEOUS EARTH FAULT CURRENT RELAY TIME DELAY EARTH FAULT CURRENT RELAY	27	UNDER VOLTAGE RELAY			LV STRTCOLUBAL/LCC SINCL LUE DAUGAL SI-COL-1985-16-8-7- UNIVERSI DAUGAL TOTAL UNIVERSI DAUGAL TOTAL BLICTERICAL VIEW SINCL LUE DAUGAL SINCH SINCH SINCH DAUGAL BLICTERICAL VIEW SINCL LUE DAUGAL SINCH
		25	SYNCHRON CHECK RELAY			
OFF	ELECTROMAGNETIC ACTUATOR RELEASE TIMED RELAY (ACTUATE INSTANTLY, RESETS AFTER # SECONDS)	64	RESTRICTED EARTH FAULT RELAY			
₽Ŋ,	ELECTROMAGNETIC ACTUATOR PICK-UP TIMED RELAY (ACTUATE AFTER #SECONDS, RESETS INSTANTLY)	86	LOCKOUT RELAY			KEY PLAN
	NO & NC CONTACT ON DELAY	$\otimes$	SIGNAL LAMP (R:RED, G:GREEN, W:WHITE, Y:YELLOW)			
G-v-T	EMERGENCY STOP		PROTECTION LOGIC SIGNAL MECHANICAL INTERCONNECTION			
	DELAY ON BY # SECOND		OPERATING COIL OF ELECTROMAGNETIC ACTUATOR		D07         SDP-20253         FI         R-MANDA         M-MANNARIAN         R-MANNARIAN	NARSHI **_**
	DELAY OFF BY # SECOND	$\sum_{i=1}^{I}$	NORMALLY OPEN CONTACT		DO4         NOV.2022         191         и, ямалав.         Цлики.         Цлики.<	RBMD         #***         #***         #***         #***         #***         #***           RBMD         ****         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #***         #****         #****         #****         #****         #****         #*****         #*****         #*****         #*****         #******         #*******         #*****************         #************************************
	GLAND	Ĺ	BIMETAL	-	REV.         DATE         P.0.1.5         PREP.         CHK.         AP           ROLECT NAME:         BINAK OLJPELD DEVELOPMENT/SUPERT'S PARCHER         CANCE ONFRANCES PARCHER         CANCE ON FRANCES PARC	THE GERINAL AND ALL COPIES OF THIS DRAFTING TO DETENDENT           THE COPYRIGHT THEORY AND ALL COPIES OF THIS DRAFTING TO THE DRAFTING TO THIS DRAFTING TO THE DRAFTING TO
-(= =)	WITHDRAW	PH.C.	PHASE CONTROL RELAY			GAS         GAS         COMPRESSOR         STATION           NY         DATE         SCALE         DRAWING BY         CHECKED BY         PROJECT           NO         CONSTRUCTION         PERMITTED         UNLESS         DRAWING APPROVED
				(VENDOR TITLE BLOCK)**	ELECTRICAL         TYPICAL         SCHEMATIC         DIAGRAMS         FOR         L           SCALE         SIZ2         DRAWING NO.         SHEE         SHEE           NTS         A3         BK-GCS-FEDCO-120-EL-DG-0002         04         4	V         PANEL         APPROVED         FOR         CONSTRUCTION         BY:         DATE:           37         NO.         REV.         BUGGET         REF.         LOCATION         SIZE         CLASS         SBRIAL         NO.         SHEEP         RD           0P 10         D07         663-073-0184         F         2         P         708041         04 0P 10

SYMBOLS	YMBOLS DESCRIPTION		DESCRIPTION	
H	PUSH BUTTON, NORMALLY OPEN CONTACT	2. V	VOLTAGE SELECTOR SWITCH	
нЦ	PUSH BUTTON, NORMALLY CLOSE CONTACT	A.S	AMMETER SELECTOR SWITCH	
4	NORMALLY CLOSE CONTACT		SWITCHING DEVICE	
	L LAMP (FOR LIGHTING)		(GENERAL SYMBOL)	
Ц	SOCKET	/d	CONTACTOR (CONTACT OPEN IN THE UNOPERATED POSITION)	
	SPACE HEATER	&	AND LOGIC	
			OR LOGIC	
$\square$	TRANSFORMER	ο	NOT LOGIC	
	INDUCTOR, REACTOR, SPRING	ф	FUSE GENERAL SYMBOL	
$\bigcirc$	CURRENT TRANSFORMER		MINIATURE CIRCUIT BREAKER (MCB)	
*	TRANSDUCER 4-20mA I: CURRENT V: VOLTAGE	0	TERMINALS OF SWITCHGEAR	
I	P: ACTIVE POWER Q: REACTIVE POWER	$\bigtriangledown$	VOLTMETER	
	EARTH	A	AMMETER	

