

SHEET	DESCRIPTION	REV					
		00	01	02	03		
1	COVERING SHEET						
2	INDEX						
3	PLAN AND SECTION TO WELL NO.7 & 46						
4	PLAN AND SECTION TO WELL NO. BK12-15-05						
5	PLAN AND SECTION TO WELL NO. BK14 & OPERATION UNIT						
6	GANTRY ON WELL (NO.7 & 46, BK12-15-05, BK14)						

NOTES

ELECTRICAL EQUIPMENT WILL BE INSTALLED ON CANTRIES STEEL STRUCTURES AS PER RELATED SINGLE LINE DIAGRAMS.

TABLE OF MIN. CLEARANCES (m)

NO	DESCRIPTION	MIN. CLEARANCE
1	MINIMAL CLEARANCE	0.91
2	MINIMAL CLEARANCE	0.91
3	MINIMAL CLEARANCE	0.91
4	MINIMAL CLEARANCE	0.91
5	MINIMAL CLEARANCE	0.91
6	MINIMAL CLEARANCE	0.91
7	MINIMAL CLEARANCE	0.91
8	MINIMAL CLEARANCE	0.91
9	MINIMAL CLEARANCE	0.91

LEGEND

LES : LOAD BREAK SWITCH
CSB : CABLE SEALING END
LA : LIGHTNING ARRESTER
COP : CUP GUY PUSB
DS/ES : DISCONNECTOR EARTH SWITCH

REFERENCE DRAWING

OVERALL SINGLE LINE DIAGRAM OF WELL PAD BK-12014-PEDCO-110-110-110-000

KEY PLAN

NO	DATE	BY	DESCRIPTION	CHECKED	REV. APPR.	
DDO	JAN.2002	APC				
DDO	DEC.2002	APC				
DDI	JUL.2002	IFC				
DDO	MAR.2002	IFC				
REV.	DATE	P.O.I.F	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES GENERAL

PROJECT NO.: 071020

EPC CONTRACTOR: HIRASAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (CO): PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES GENERAL

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

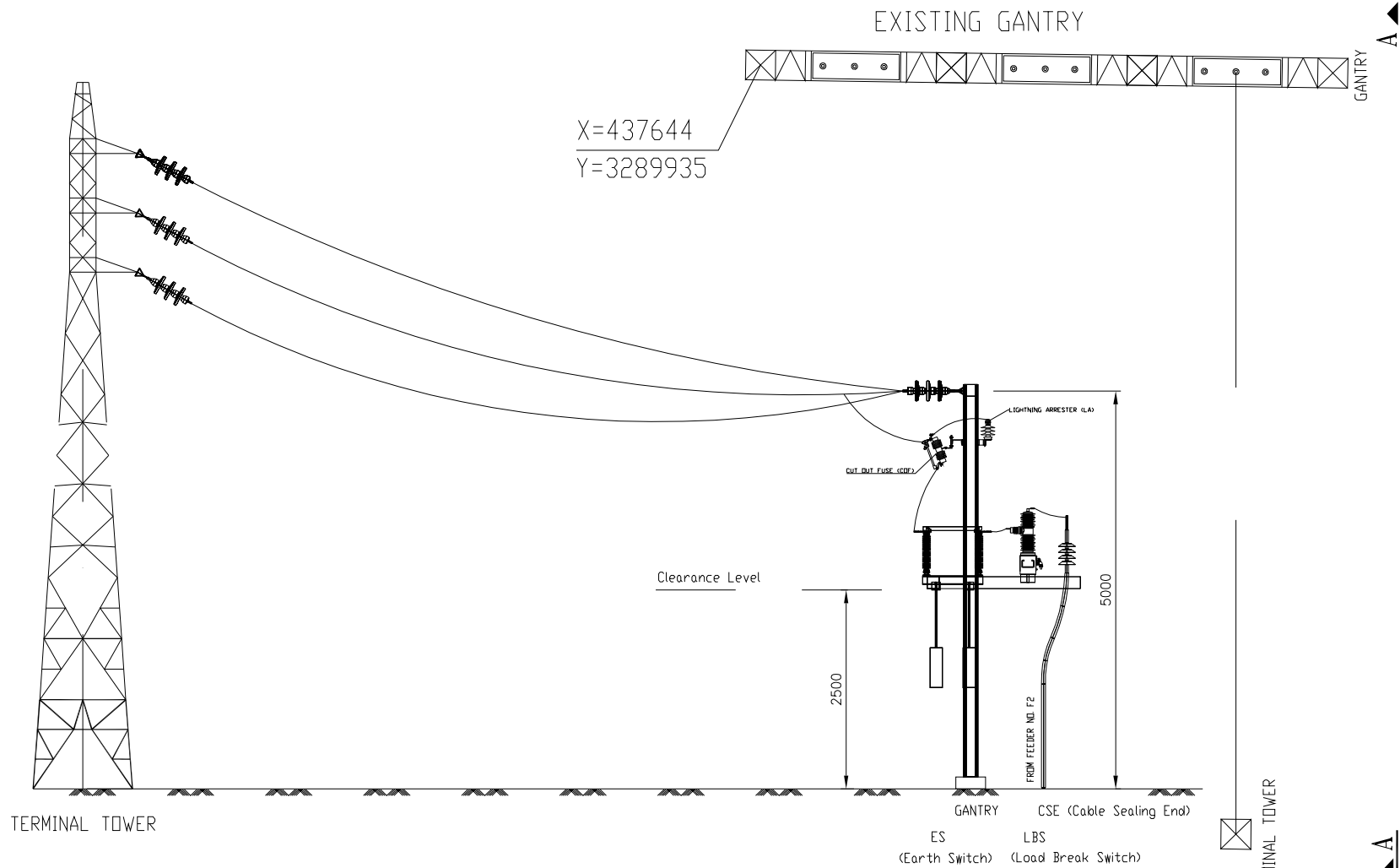
DRAWING TITLE: NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRIS FOR WELLS

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NW	AS	BK-12014-PEDCO-110-110-110-000	2 OP B	D03	003-070-9104	F 2 P 707460 2 OP B D03

(VENDOR TITLE BLOCK)



SECTION A-A

EXTENSION OF GAS COMPRESSOR STATION GANTRY
(FOR WELL No. W007, W046)

NOTES

ELECTRICAL EQUIPMENT WILL BE INSTALLED ON GANTRIES (WELL STRUCTURES) AS PER RELATED SINGLE LINE DIAGRAMS.

TABLE OF MIN. CLEARANCES (m)

NO	DESCRIPTION	MIN. CLEARANCE (m)
1	MINIMUM HEIGHT (M) OF	30
2	MINIMUM HEIGHT (M) OF	30
3	MINIMUM HEIGHT OF THE BASE OF ALL POLE TYPES OR MINIMUM INSULATION PULL CLEARANCE	6.00
4	MINIMUM CLEARANCE BETWEEN LIVE PARTS AND GROUND POTENTIAL	6.00
5	MINIMUM CLEARANCE BETWEEN OVERHEAD LINES AND GROUND POTENTIAL	6.00
6	MINIMUM HEIGHT OF INSULATED PARTS ABOVE GROUND	6.00
7	MINIMUM HEIGHT FROM TOP OF INSULATED PARTS TO GROUND	6.00
8	MINIMUM VERTICAL CLEARANCE OF OVERHEAD LINES ABOVE MAX. HEIGHT	7
9	MINIMUM HEIGHT FROM OVERHEAD LINES TO GROUND	7

- LEGEND
- LBS : LOAD BREAK SWITCH
 - CSE : CABLE SEALING END
 - LA : LIGHTNING ARRESTER
 - COF : CUT OUT FUSE
 - DS/ES : DISCONNECTOR EARTH SWITCH

REFERENCE DRAWING

OVERALL SINGLE LINE DIAGRAM OF WELL PAD BK-SPGRH-PEDCO-110-1B-BU-000

KEY PLAN

REV.	DESCRIPTION	BY	DATE	BY	DATE

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES GENERAL

PROJECT NO.: 071020

EPD/SPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY

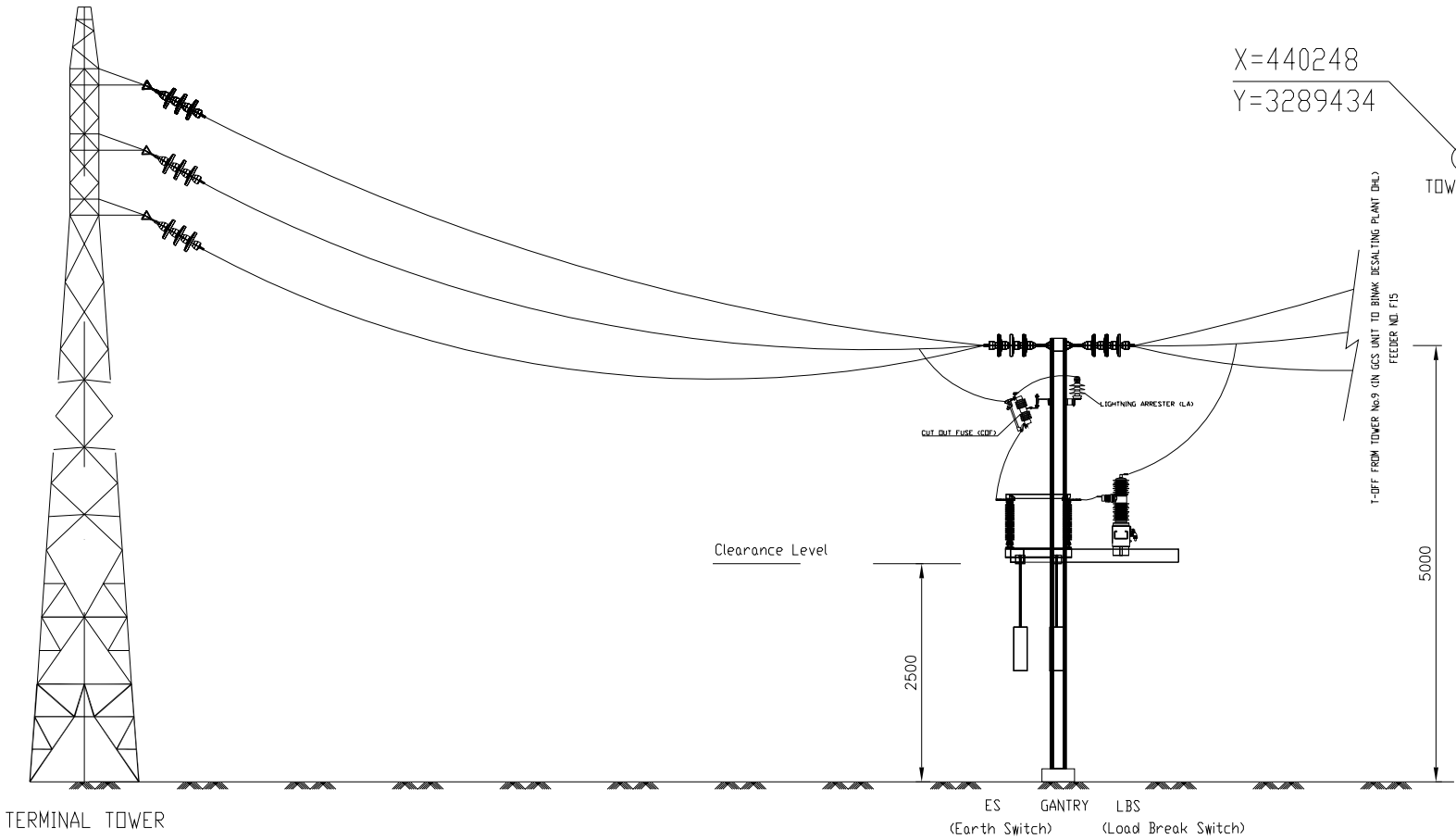
EPD/SPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

DRAWING TITLE: INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRIS FOR WELLS

(VENDOR TITLE BLOCK)**

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
N/A	A3	BK-SPGRH-PEDCO-110-1B-DW-000	3	OP 0	D03	003-070-0104	F	2	P	707400	3	OP 0



X=440248
Y=3289434

TOWER NO.9

TERMINAL TOWER

ES GANTRY LBS
(Earth Switch) (Load Break Switch)

NOTES

ELECTRICAL EQUIPMENT WILL BE INSTALLED ON CANTRIES STEEL STRUCTURES AS PER RELATED SINGLE LINE DIAGRAMS.

TABLE OF MIN. CLEARANCES (m)

NO	DESCRIPTION	MIN. CLEARANCE (m)
1	MINIMUM CLEARANCE	30.00
2	MINIMUM CLEARANCE	30.00
3	MINIMUM CLEARANCE	30.00
4	MINIMUM CLEARANCE	30.00
5	MINIMUM CLEARANCE	30.00
6	MINIMUM CLEARANCE	30.00
7	MINIMUM CLEARANCE	30.00
8	MINIMUM CLEARANCE	30.00
9	MINIMUM CLEARANCE	30.00

LEGEND

LBS : LOAD BREAK SWITCH
CSB : CABLE SEALING END
LA : LIGHTNING ARRESTER
COF : CUT OUT FUSE
DS/ES : DISCONNECTOR EARTH SWITCH

REFERENCE DRAWING
OVERALL SINGLE LINE DIAGRAM OF WELL PAD BK-SPGRH-PEDCO-110-10-BL-BU-000

KEY PLAN

T-OFF CONNECTION IN TOWER No. 9 (GCS UNIT TO BINAK DESALTING PLANT OHL)
(FOR WELL No. BK12-15-05)

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
DDO	JAN.2020	APC	K.MALIK	M.FARHANI	M.HOSSEINI	** **
DDO	DEC.2022	APC	K.MALIK	M.FARHANI	M.HOSSEINI	** **
DDI	JUL.2022	IPC	K.MALIK	M.FARHANI	M.HOSSEINI	** **
DDO	MAR.2022	IPC	K.MALIK	M.FARHANI	M.HOSSEINI	** **

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES GENERAL

PROJECT NO.: 071020

EPD CONTRACTOR: HIRSAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (CO): PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES GENERAL

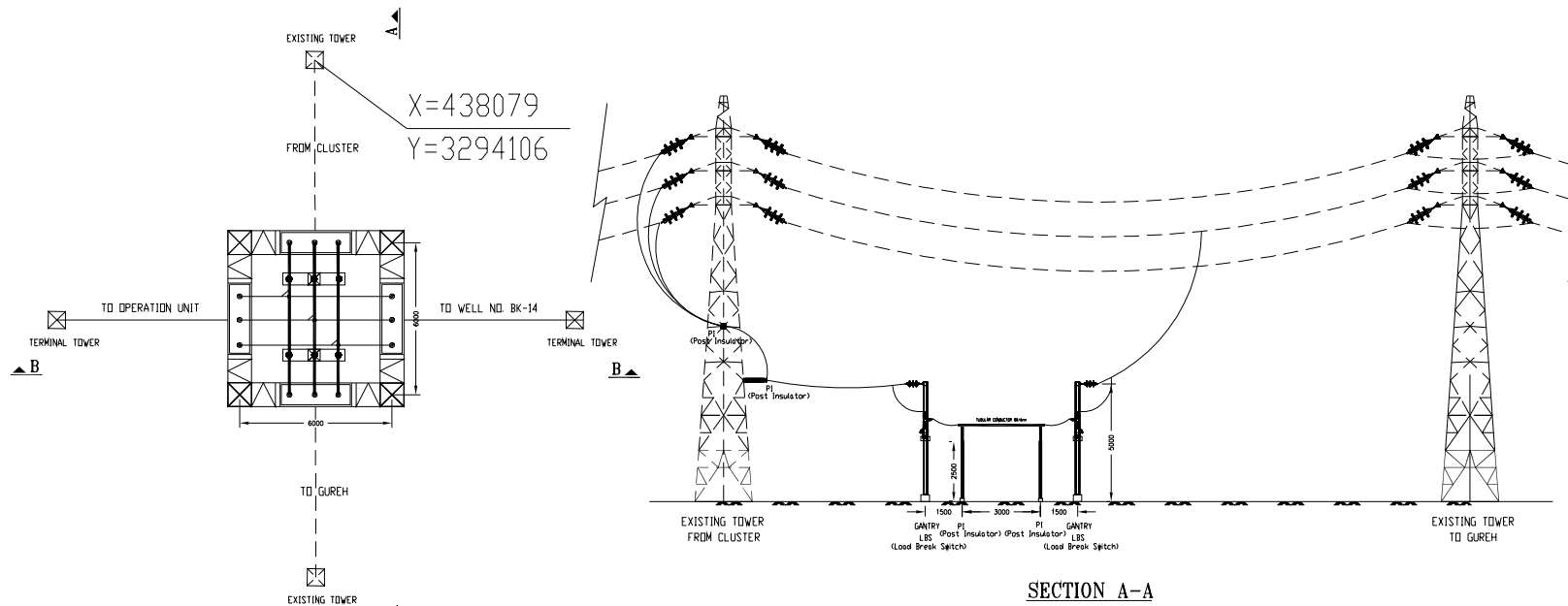
DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

DRAWING TITLE: INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRYS FOR WELLS

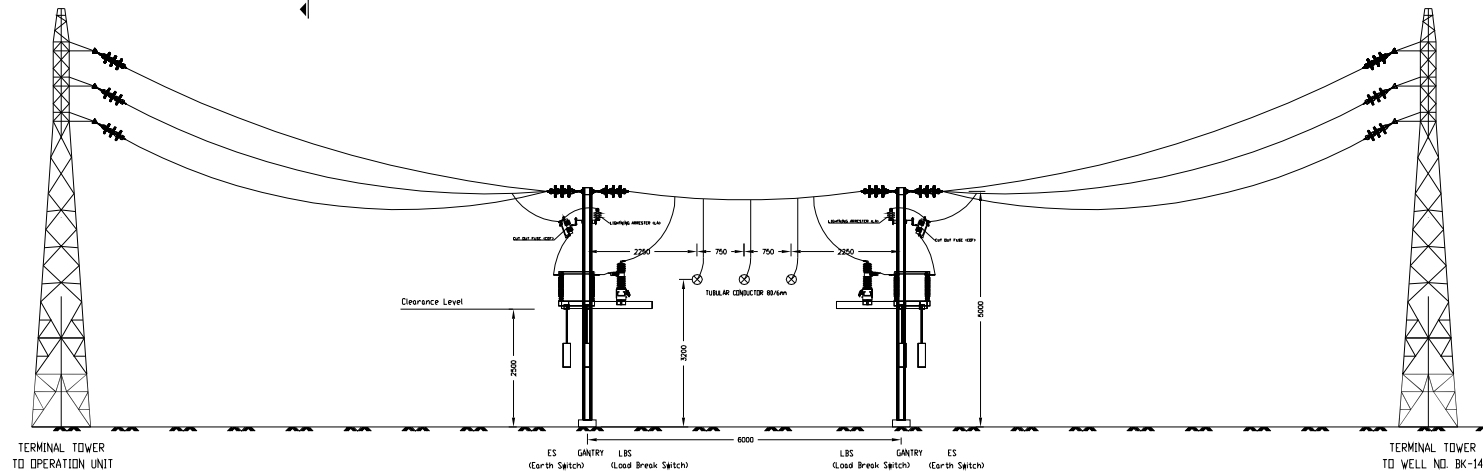
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
NW	AS	BK-SPGRH-PEDCO-110-10-BL-DW-0002	4	OP 8	D03	003-070-9104



SECTION A-A



SECTION B-B

NOTES

ELECTRICAL EQUIPMENT WILL BE INSTALLED ON GANTRIES SPREAD STRUCTURES AS PER RELATED SINGLE LINE DIAGRAMS.

TABLE OF MIN. CLEARANCES (m)

NO	DESCRIPTION	MIN. CLEARANCE (m)
1	MINIMUM HEIGHT (MINIMUM)	30
2	MINIMUM HEIGHT (MAXIMUM)	30
3	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
4	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
5	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
6	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
7	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
8	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00
9	MINIMUM CLEARANCE FROM THE BASE OF ALL Poles TYPE	6.00

LEGEND

LBS : LOAD BREAK SWITCH
 CSB : CABLE SPALING END
 LA : LIGHTNING ARRESTER
 COP : CUP GUY PUSB
 DS/ES : DISCONNECTOR EARTH SWITCH

REFERENCE DRAWING
 OVERALL SINGLE LINE DIAGRAM OF WELL PAD BK-14/001-PEDCO-110-IL-BU-000

KEY PLAN

CONNECTION IN CLUSTER TO GUREH OHL
 (FOR WELL No. BK14 & OPERATION UNIT)

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
DDO	JAN.2005	APC	ELMAMLA	MJFARHANI	MJFARHANI	01.01.05
DDO	DEC.2002	APC	ELMAMLA	MJFARHANI	MJFARHANI	01.01.05
DDO	JUL.2002	IFP	ELMAMLA	MJFARHANI	MJFARHANI	01.01.05
DDO	MAR.2002	IFP	ELMAMLA	MJFARHANI	MJFARHANI	01.01.05

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES GENERAL

PROJECT NO.: 071020

EPC CONTRACTOR: HIRSAN ENERGY - DESIGN & INSPECTION COMPANIES

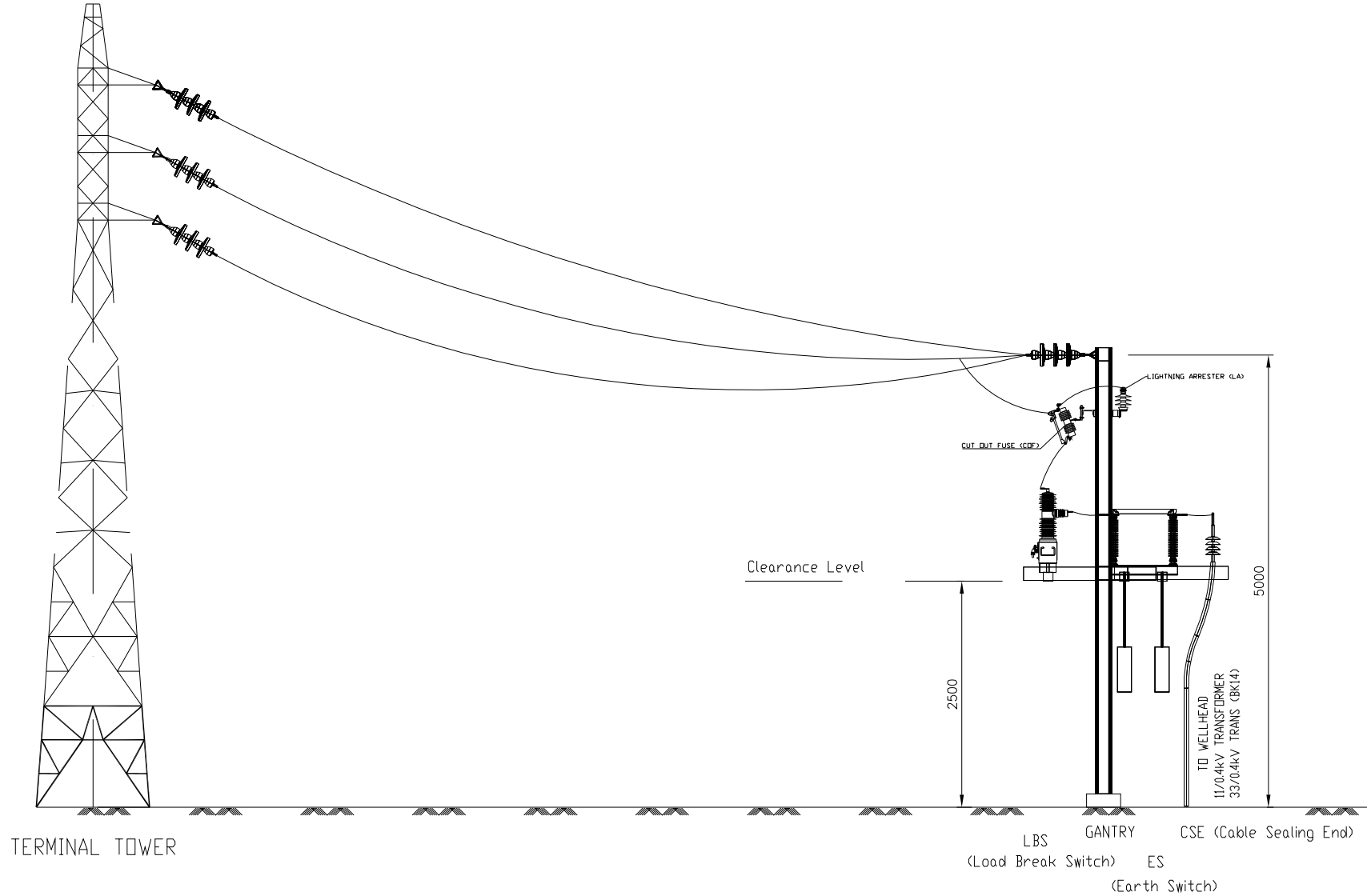
EPD/EPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

DRAWING TITLE: INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRIS FOR WELLS

(VENDOR TITLE BLOCK)**

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION	
N/A	A3	BK-14/001-PEDCO-110-IL-BU-000	6	OP 6	DDO	003-073-014	F	2	P	707400	6	OP 6



NOTES

ELECTRICAL EQUIPMENT WILL BE INSTALLED ON CANTILEVER STRUCTURES AS PER RELATED SINGLE LINE DIAGRAMS.

TABLE OF MIN. CLEARANCES (m)

NO	DESCRIPTION	MIN. CLEARANCE
1	MINIMUM CLEARANCE	5000
2	MINIMUM CLEARANCE	5000
3	MINIMUM CLEARANCE	5000
4	MINIMUM CLEARANCE	5000
5	MINIMUM CLEARANCE	5000
6	MINIMUM CLEARANCE	5000
7	MINIMUM CLEARANCE	5000
8	MINIMUM CLEARANCE	5000
9	MINIMUM CLEARANCE	5000

- LEGEND
- LBS : LOAD BREAK SWITCH
 - CSE : CABLE SEALING END
 - LA : LIGHTNING ARRESTER
 - CFP : CUT OUT FUSE
 - DS/ES : DISCONNECTOR EARTH SWITCH

REFERENCE DRAWING

OVERALL SINGLE LINE DIAGRAM OF WELL PAD BK-2802H-PEDCO-110-1B-BU-000

KEY PLAN

TERMINAL TOWER

LBS (Load Break Switch)
 GANTRY
 ES (Earth Switch)
 CSE (Cable Sealing End)

EQUIPMENT FOR OUTDOOR SUBSTATION IN WELL No. BK12,15,05 & 14 AND WELL No. W007,W046

REV.	DESCRIPTION	BY	DATE	REV.	APPR.
001	ISSUED FOR CONSTRUCTION	ES	03/03/2022	001	ES

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES GENERAL

PROJECT NO.: 071020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/BPC CONTRACTOR (GO): PETROIRAN DEVELOPMENT COMPANY

DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____

DRAWING TITLE: INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRIS FOR WELLS

(VENDOR TITLE BLOCK)**

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N/A	A3	BK-2802H-PEDCO-110-1B-DW-000	6 OF 6	003	003-070-914	F	2	P	707460	6 OF 6	003