TELECOMM. EQUIPMENT LAYOUT FOR AREA

NOTES

LEGEND

REFERENCE DRAWING	DRG. No.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	MAR.2025	AFC	H.SHAKIBA	M.FAKHARIAN	S.Faramarzpour	**.**
D04	JAN.2023	AFC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**
D03	SEP.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**
D02	JUNE.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**
D01	MAY.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**
D00	APR.2022	IFC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**

REV.	DESCRIPTION	BY	DATE	BY	DATE
***	**********	**.**	***.****	**.**	***.****
		CHECKED		REV. APPR.	

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR:

HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC):

PEDCO

PETROIRAN DEVELOPMENT COMPANY

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

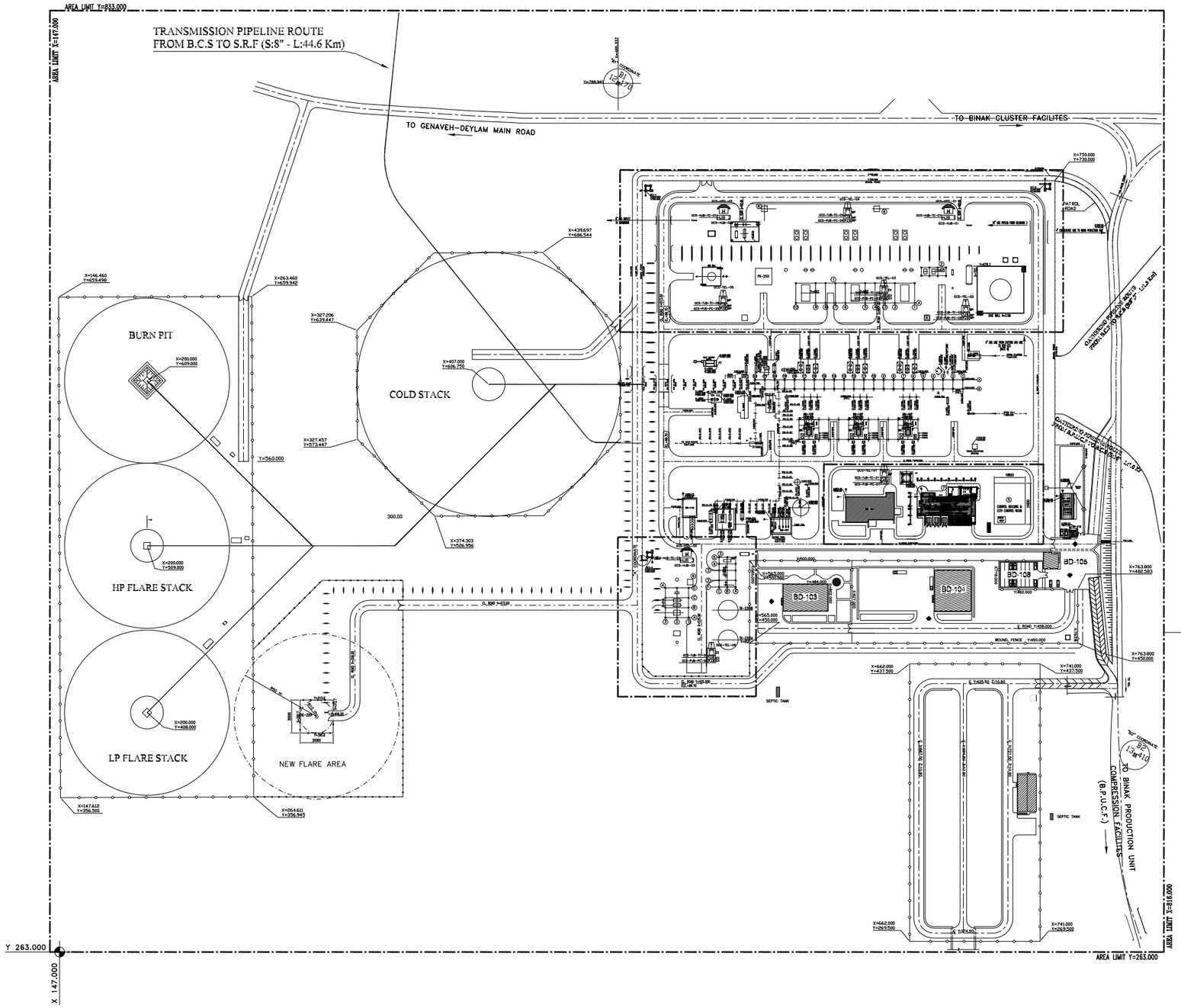
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

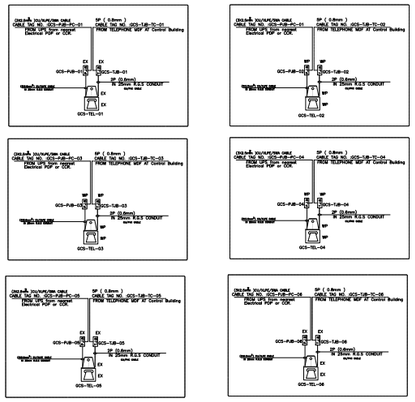
(VENDOR TITLE BLOCK)**

DRAWING TITLE: TELECOMM. EQUIPMENT LAYOUT FOR AREA

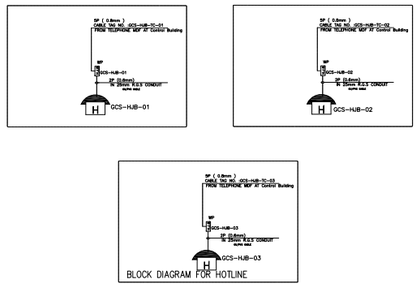
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1:100	A0	BK-GCS-PEDCO-120-TE-PY-0005	1 OF 3	D05	053-073-9184	F	2	T	709091	1 OF 3	D05



TAG NO.	BUILDING LIST
1	GAS COMPRESSOR SHELTER
2	CHEMICAL INJECTION PACKAGES & STORAGE SHELTER
3	FIRE WATER PUMP HOUSE
4	UTILITY SHELTER
5	CONTROL BUILDING AND CCTV CONTROL ROOM
6	FIRE SHED
7	EXTENSION OF EXISTING ELECTRICAL BUILDING



BLOCK DIAGRAM FOR TELECOM EQUIPMENT



BLOCK DIAGRAM FOR HOTLINE

NOTES

1- ALL ELEVATIONS AND COORDINATES ARE IN METER UNLESS OTHERWISE NOTED. DIMENSIONS ARE IN MILLIMETER.
2- ALL COORDINATES ARE IN METERS WITH REFERENCE TO SITE LOCAL DATUM POINT.
3- HATCHED AREAS ARE OUT OF SCOPE OF THIS PROJECT.
4- COORDINATE (UTM COORDINATES OF SITE):
5- EXACT LOCATION AND NUMBER OF TELEPHONE EQUIPMENTS SHALL BE FINALIZED IN AT SITE.
6- TYPE AND SIZE OF TELEPHONE CABLE:
- OUT OF BUILDING: 5 Pair 0.8 mm-Armoured-CU/PVC/SWA/CFC/LC
- IN THE BUILDING: 2 Pair 0.6 mm-CU/PVC
7- MOUNTING LEVEL OF TELEPHONE HANDSETS SHALL BE 1500mm ABOVE F.F.L.
8- ALL CABLES FOR TELEPHONE HANDSETS SHALL BE 2P-0.6mm.
9- UNDERGROUND TELEPHONE CABLES SHALL BE RUN IN INSTRUMENT CABLE ROUTE.
10- ALL CABLING FOR SURFACE MOUNTED TELEPHONE SHALL BE DONE VIA HOT DIP GALVANIZED STEEL,OPEN CONDUIT SUPPORTED EVERY 1000 mm AND AT BOTH ENDS WITH SUITABLE CLAMP.
11- FLASH BEACON OF TELEPHONE SHALL BE FED FROM NEAREST EL PDP PDP AT AREA OR MAIN CONTROL BUILDING.
12- THE LOCATION OF MAIN EXIST PABX SYSTEM IS IN COMMUNICATION BUILDING.
13- THE TELEPHONE AND HOTLINE SET WILL BE CONNECTED TO MDF OF NEW CONTROL BUILDING AND THEN ROUTED TO MDF TELEPHONE OF EXIST PABX VIA 50 PAIR 0.8 mm MULTIPAIR TELEPHONE CABLE .

LEGEND

POLE MOUNTED INDUSTRIAL TELEPHONE HANDSET WITH ACOUSTIC COVER AND FLASH BEACON

TJB TELEPHONE JUNCTION BOX

PJB POWER JUNCTION BOX

H HOTLINE TELEPHONE SET WITH KIOSK

EX: EXPLOSION PROOF
WP: WEATHER PROOF

REFERENCE DRAWING	DRG. No.
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PI-PY-0001
HAZARDOUS AREA CLASSIFICATION LAYOUT	BK-GCS-PEDCO-120-SA-PY-0002
BLOCK DIAGRAM FOR TELECOM EQUIPMENT	BK-GCS-PEDCO-120-TE-BD-0004

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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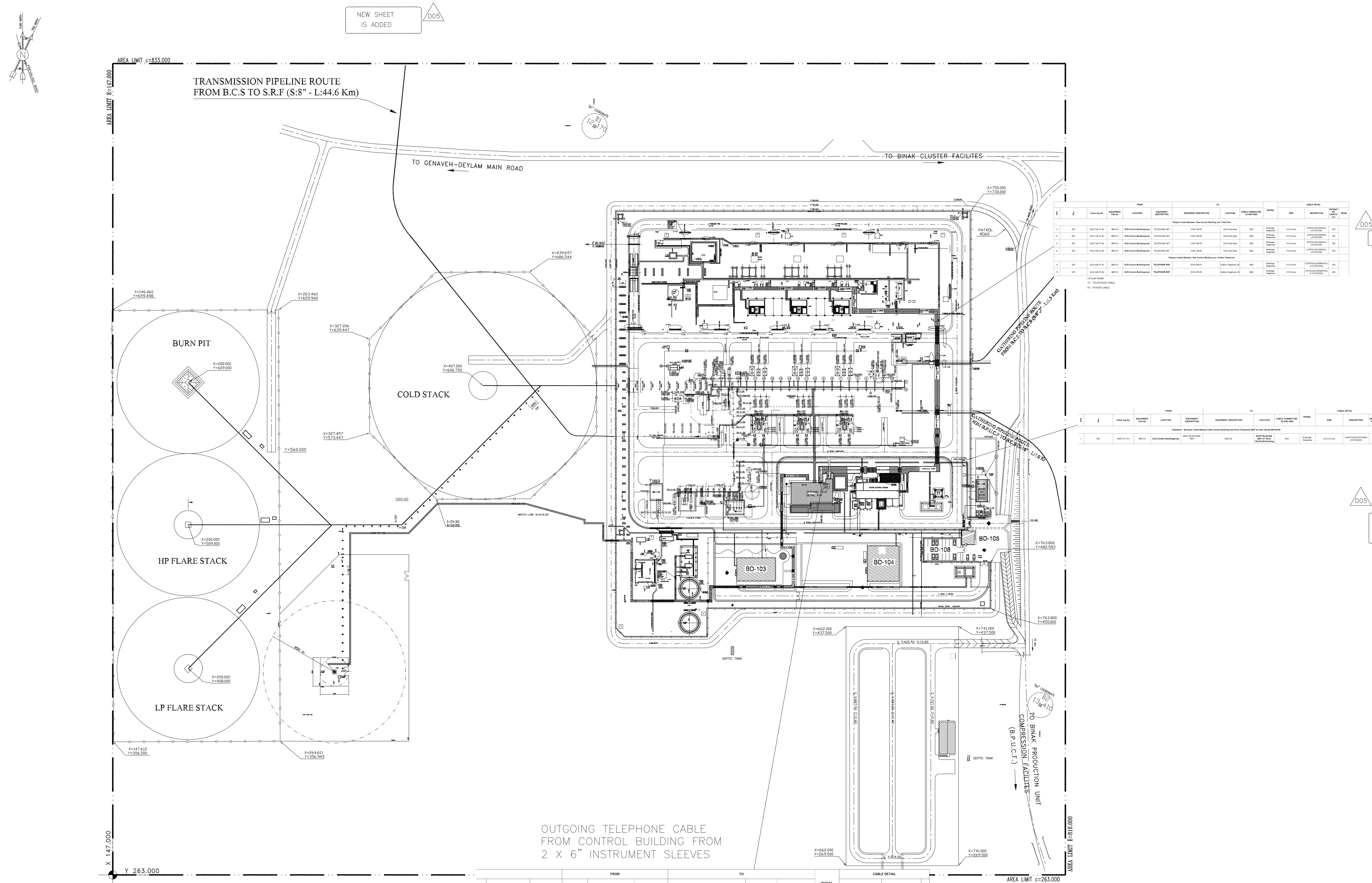
(VENDOR TITLE BLOCK)**

DRAWING TITLE: TELECOMM. EQUIPMENT LAYOUT FOR AREA

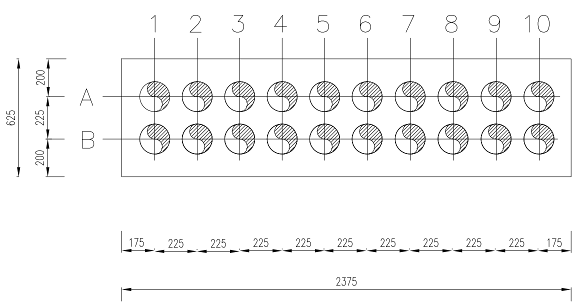
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1:100	A0	BK-GCS-PEDCO-120-TE-PY-0005	2 OF 3	D05	053-073-9184	F	2	T	709091	2 OF 3	D05



OUTGOING TELEPHONE CABLE
FROM CONTROL BUILDING FROM
2 X 6" INSTRUMENT SLEEVES

Item	Rev.	Cable Tag No.	FROM: EQUIPMENT TAG No.	FROM: LOCATION	FROM: EQUIPMENT DESCRIPTION	TO: EQUIPMENT DESCRIPTION	TO: LOCATION	TO: CABLE CONNECTOR/ GLAND SIZE	SIGNAL	CABLE DETAIL: SIZE	CABLE DETAIL: DESCRIPTION	DRUM
Telephone Multipair Cable Between New Control Building and Exist Telephone MDF at exist TELECOM ROON												
1	D01	MDF-01-T-01	MDF-01	**GCS Control Building(new)**	NEW TELEPHONE MDF	MDF-02	**EXISTTELECOM MDF AT Exist TELECOM Building**	M32	Analouge Telephone	50X2X0.8 mm	CU/PVC/(SC)/CFC/SWA (OUTDOOR)	
Telephon Cable Between New Control Building and Field Area												
2	D01	GCS-TJB-TC-01	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-01	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
3	D01	GCS-TJB-TC-02	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-02	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
4	D01	GCS-TJB-TC-03	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-03	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
5	D01	GCS-TJB-TC-04	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-04	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
6	D01	GCS-TJB-TC-05	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-05	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
7	D01	GCS-TJB-TC-06	MDF-01	**GCS Control Building(new)**	TELEPHONE SET	CGS-TJB-06	GCS Field Area	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/LC (OUTDOOR)	
Telephon Cable Between New Control Building and Hotline Telephone												
8	D01	GCS-HJB-TC-01	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	GCS-HJB-01	Hotline Telephone JB	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/PVC/LC (OUTDOOR)	
9	D01	GCS-HJB-TC-02	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	GCS-HJB-02	Hotline Telephone JB	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/PVC/LC (OUTDOOR)	
10	D01	GCS-HJB-TC-03	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	GCS-HJB-03	Hotline Telephone JB	M20	Analouge Telephone	5X2X0.8mm	CU/PVC/(SC)/SWA/PVC/LC (OUTDOOR)	
Telephon Cable Between New Control Building and Electrical Building												
11	D01	GCS-TJB-TC-01	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	EL CGS-TJB-01	EL Building	M20	Analouge Telephone	10X2X0.8 mm	CU/PVC/(SC)/SWA/PVC (OUTDOOR)	
Telephon Cable Between New Control Building and Ware House Building												
12	D01	WH CGS-TJB-01 -TC-01	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	WH CGS-TJB-01	Ware House Building	M20	Analouge Telephone	10X2X0.8 mm	CU/PVC/(SC)/SWA/PVC (OUTDOOR)	
Telephon Cable Between New Control Building and CCTV Building												
13	D01	CCTV CGS-TJB-01 -TC-01	MDF-01	**GCS Control Building(new)**	**TELEPHONE MDF**	WH CGS-TJB-01	CCTV Building	M20	Analouge Telephone	10X2X0.8 mm	CU/PVC/(SC)/SWA/PVC (OUTDOOR)	

LC:Lead Cover
TC : TELEPHONE CABLE
PC : POWER CCABLE



OPENING "A1A"
2*10-PVC 6"
DETAILS "A1A"

NOTES

1- ALL ELEVATIONS AND COORDINATES ARE IN MM UNLESS OTHERWISE NOTED. DIMENSIONS ARE IN MILLIMETER.
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D05
14- TELECOM CABLE ROUTE WILL BE COMMON WITH INSTRUMENT ROUTE AS SHOWN

LEGEND

POLE MOUNTED INDUSTRIAL TELEPHONE HANDSET WITH ACOUSTIC COVER AND FLASH BEACON
T.J.B — TELEPHONE JUNCTION BOX
P.J.B — POWER JUNCTION BOX
H — HOTLINE TELEPHONE SET WITH KIOSK

EX: EXPLOSION PROOF
WP: WEATHER PROOF

REFERENCE DRAWING	DRG. No.
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PI-PY-0001
HAZARDOUS AREA CLASSIFICATION LAYOUT	BK-GCS-PEDCO-120-SA-PY-0002
BLOCK DIAGRAM FOR TELECOM EQUIPMENT	BK-GCS-PEDCO-120-TE-BD-0004
INSTRUMENT/F&G CABLE TRENCH/ROUTE LAYOUT DRAWING	BK-GCS-PEDCO-120-IN-PY-0004
INSTRUMENT CABLE TRENCH/ROUTE LAYOUT DRAWING	BK-PPL-PEDCO-320-IN-PY-0003

D05

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