

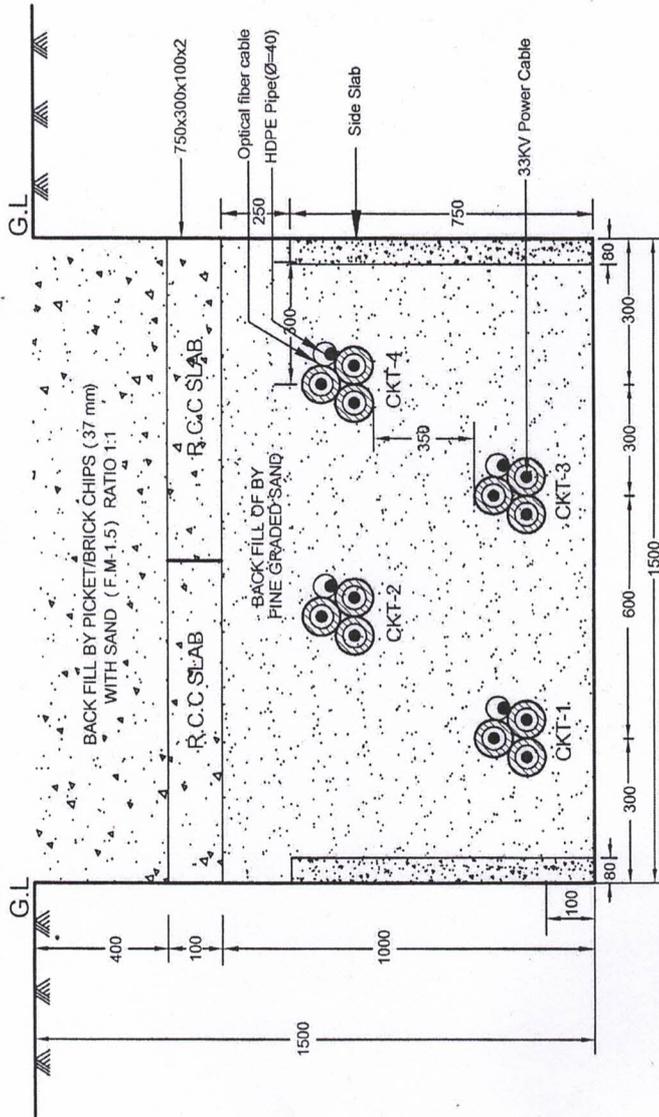
Cable Trench Cross Section (Double Circuit) for
33KV U/G Power Cable with Optical Fiber Cable

Senior Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattoogram.

Note : All Dimension are in mm.

DATE 02/05/2023	DESIGNED BY Moin Farman	DRAWN BY Moin Farman	CHECKED BY	APPROVED BY
BANGLADESH POWER DEVELOPMENT BOARD				
PDSD, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT				
KARIGARI PARAMARSHA Consulting Engineers				
JOB-				
TITLE:				
DRAWING NUMBER: Rev-3				
SCALE: Not to Scale				
SHEET NUMBER: --				

KP-330D1Ctg_TopoMap_Rebeka_31-5-20ICTG_UG Cable Trench 26.05.2022

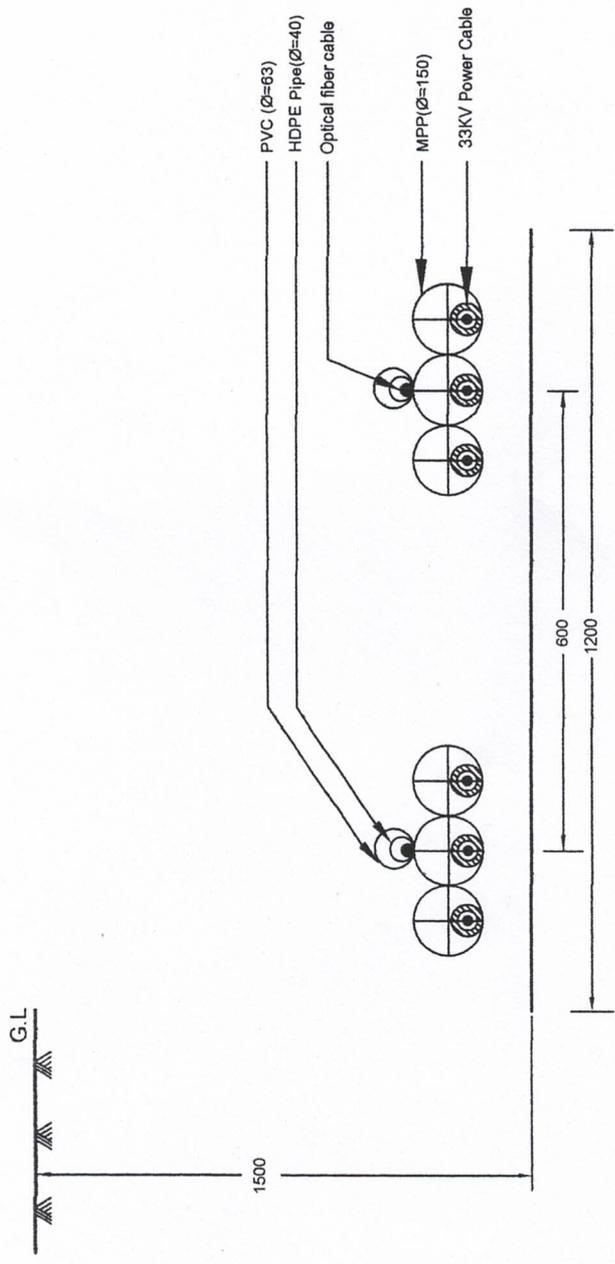


Cable Trench Cross Section (Four CKT) for
33KV U/G Power Cable with Optical Fiber Cable

Karigari
Senior Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattoogram.

Note : All Dimension are in mm.

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
02/09/2023		Masir Rahman		
BANGLADESH POWER DEVELOPMENT BOARD				
PDSD, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:				
 KARIGARI PARAMARSHA Consulting Engineers				
TITLE:				JOB-
DRAWING NUMBER: Pw-3				SHEET NUMBER: -
SCALE: Nxt to Scale				
KP-330D:Chg_TopogMap_Rebekka_31-5-20101G_UG Cable Trench_26.05.2022				



Road Crossing Trench Drg. for
33KV U/G Power Cable (Double CKT)
with Optical Fiber Cable

[Signature]
Senior Consultant
Karigari, Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattogram.

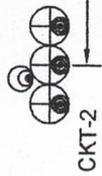
Note : All Dimension are in mm.

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
08/06/2022		Rebeke Salama		
BANGLADESH POWER DEVELOPMENT BOARD				
PDSD, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:				
KARIGARI		PARAMARSHA Consulting Engineers		
JOB-				
TITLE:				
DRAWING NUMBER: Rev-3		SCALE: Not to Scale		SHEET NUMBER: -
KP-33(0.1)Cig_TopoMap_Rebeke_31-5-20(CTG)_UG Cable Trench_26.05.2022				

[Signatures]

G.L

1500



CKT-1

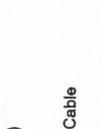
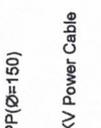
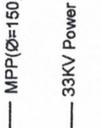
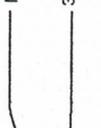
CKT-2

CKT-3

CKT-4

PVC (Ø=63)
HDPE Pipe (Ø=40)
Optical fiber cable

350



Road Crossing Trench Drg. for
33KV U/G Power Cable (Four CKT)
with Optical Fiber Cable

[Signature]
Senior Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattoogram.

Note : All Dimension are in mm.

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
04/05/2022		Rabaha Sultana		
BANGLADESH POWER DEVELOPMENT BOARD				
PDSDCZ, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:			JOB-	
KARIGARI			PARAMARSHA	
Consulting Engineers			Consulting Engineers	
TITLE:				
DRAWING NUMBER: R-w-3			SCALE: Not to Scale	
SHEET NUMBER: -			SHEET NUMBER: -	

KP-330D1C1g_TopomMap_Rabaha_31-5-20071G_UG Cable Trench 28.05.2022

G.L

1500

PVC (Ø=63)
HDPE Pipe (Ø=40)
Optical fiber cable

300

CKT-6

350

CKT-4

CKT-5

CKT-3

CKT-2

CKT-1

300

300

600

600

600

300

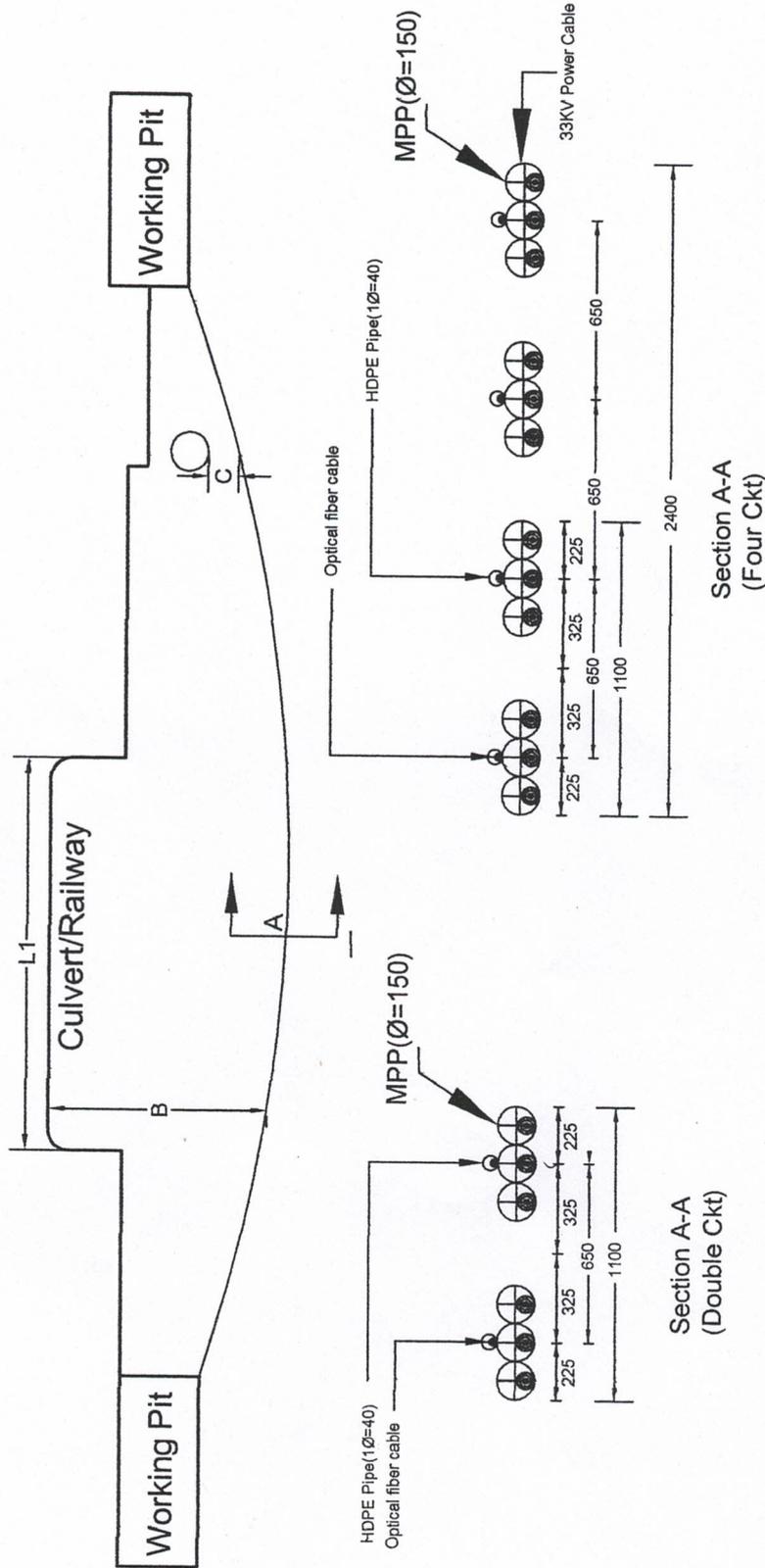
2100

Road Crossing Trench Drg. for 33KV U/G Power Cable (Six CKT) with Optical Fiber Cable

[Signature]
Senior Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattogram.

Note : All Dimention are in mm.

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
04/05/2022		Rebeka Sultana		
BANGLADESH POWER DEVELOPMENT BOARD				
PDSDCZ, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:				
KARIGARI				
PARAMARSHA Consulting Engineers				
TITLE:				JOB-
DRAWING NUMBER: Rev-3				SHEET NUMBER: -
SCALE: Not to Scale				
RP-330D:Utg_1topoMip_Rebeka_31-5-2020CTG_UG Cable Trench 28.05.2022				



DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
08/04/2022		Rakibul Siddique		

BANGLADESH POWER DEVELOPMENT BOARD
 PDS&D, PHASE-2, CHATTOGRAM ZONE

CONSULTANT:
KARIGARI
PARAMARSHA Consulting Engineers

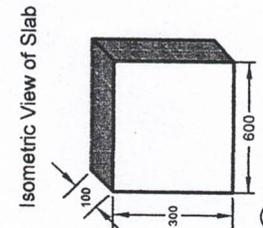
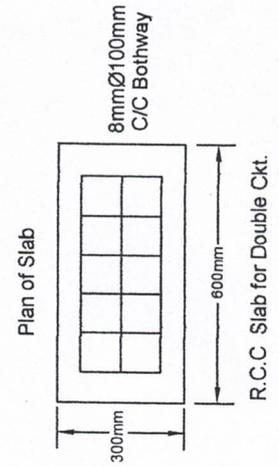
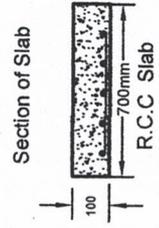
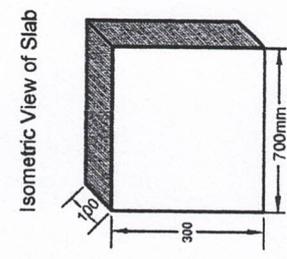
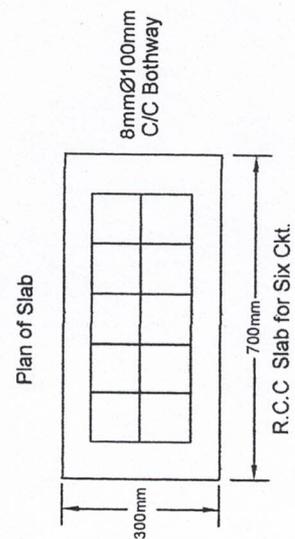
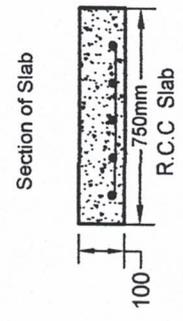
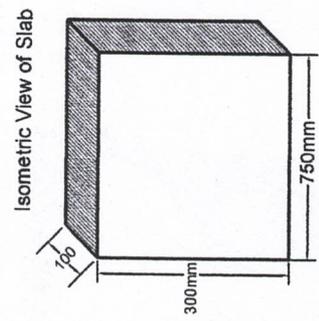
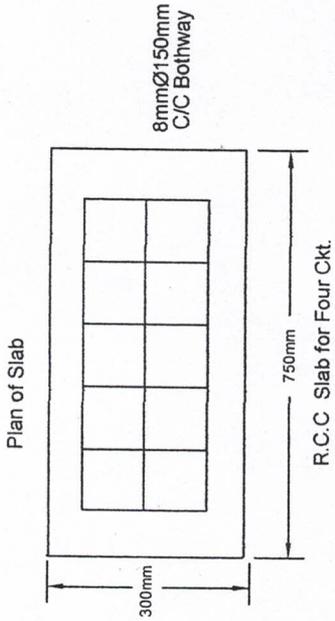
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DRAWING NUMBER: R-01/3 SCALE: Not to Scale SHEET NUMBER: -

Notes:

- The outer diameter of the MPP pipe outer is 150mm.
- Meaning of symbols in the drawing.
- B - The minimum protection distance with railway is 1.5m, and to be agreed by the Railway Authority.
- C - The minimum protection distance with other municipal pipe lines is generally greater than 0.5m, and with the pressure pipe is greater than 1.0m.
- L1 - Horizontal distance of Culvert/railway crossing by non-excavation cable duct.

(Signature)
 Senior Consultant
 Karigari Paramarsha
 PDS&DZ (2nd Phase) BPDR
 Chattogram.

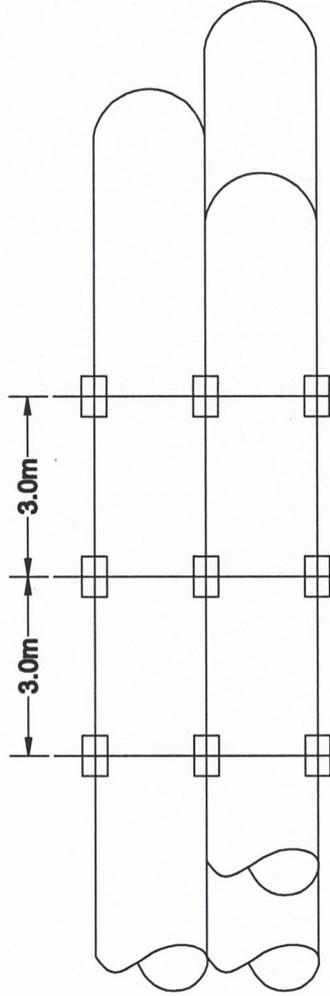


DATE 09/04/2022	DESIGNED BY Rehaka Sultana	DRAWN BY Rehaka Sultana	CHECKED BY	APPROVED BY
BANGLADESH POWER DEVELOPMENT BOARD				
PDSD, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:				
KARIGARI PARAMARSHA Consulting Engineers				
JOB-				
TITLE:				
DRAWING NUMBER: Rev-3				SHEET NUMBER: -
SCALE: Not to Scale				
KP-330\1\01g_1\TopoMap_Fuebeke_31-5-20\CTG_UG Cable Trench\ 26/05/2022				

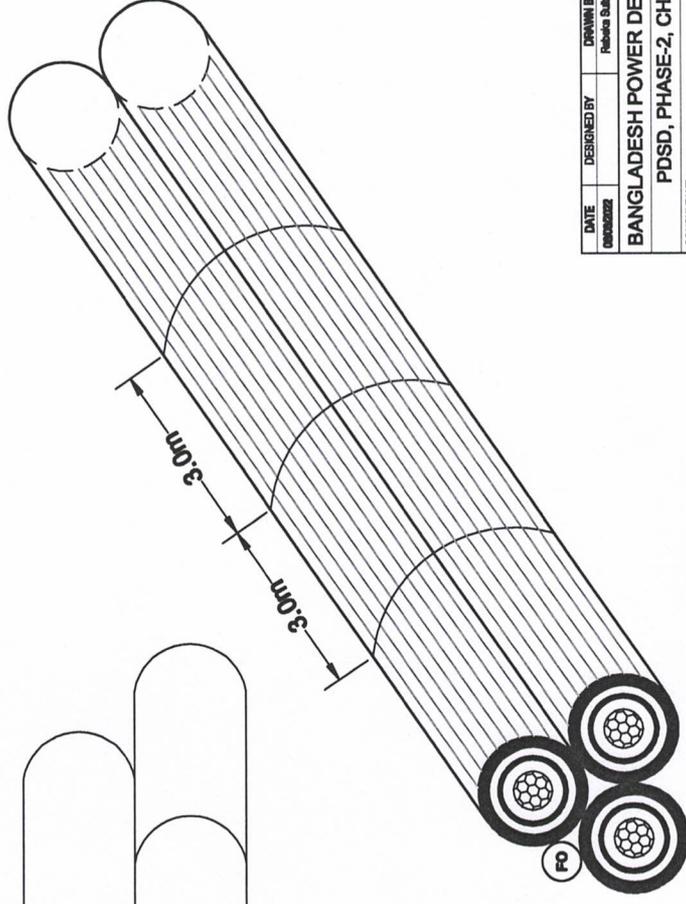
(Signature)
Senior Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDR
Chattoagram.

(Signature)

33KV U/G CABLE TO BE TIED AS PER FOLLOWING DRAWING



Plastic Cable Tie

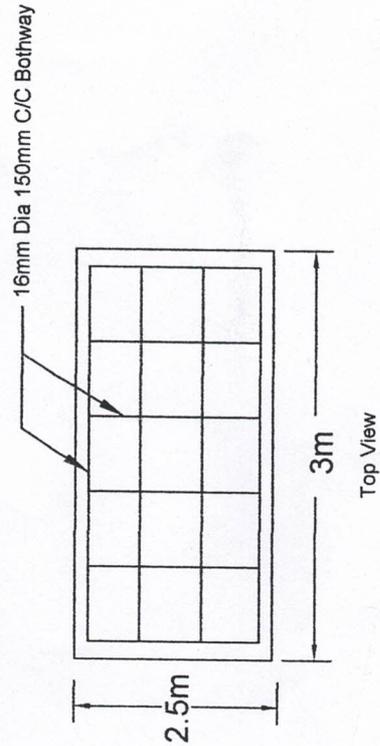
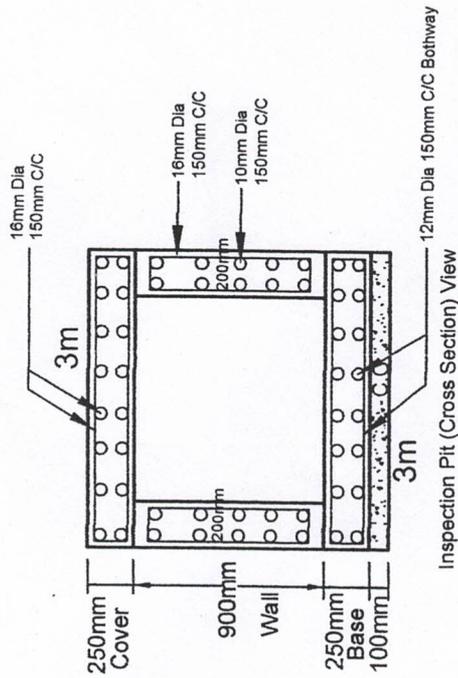
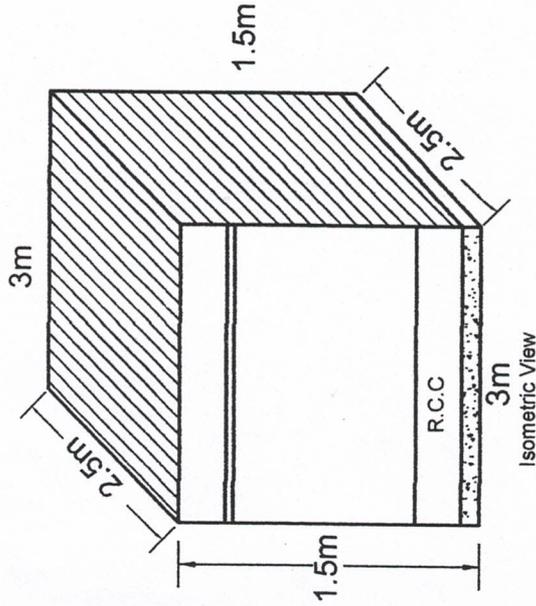


Trefoil shape (Tied with Plastic Cable Tie at 3.0 Meter interval)

DATE 01/01/2020	DESIGNED BY Rabeya Sultana	CHECKED BY	APPROVED BY
BANGLADESH POWER DEVELOPMENT BOARD PSDS, PHASE-2, CHATTOGRAM ZONE			
CONSULTANT:			
■■■ KARIGARI ■■■ PARAMARSHA Consulting Engineers			
TITLE:			
DRAWING NUMBER: R-01-3		SCALE: Not to Scale	
		SHEET NUMBER: -	

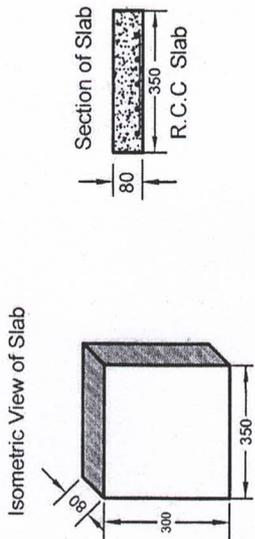
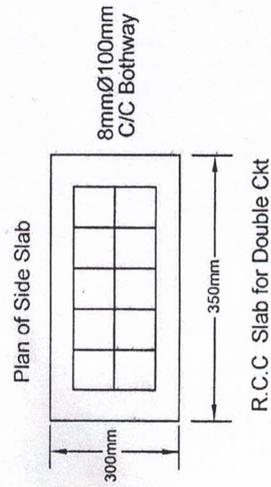
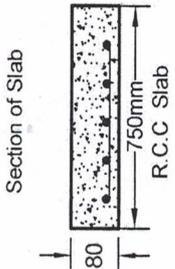
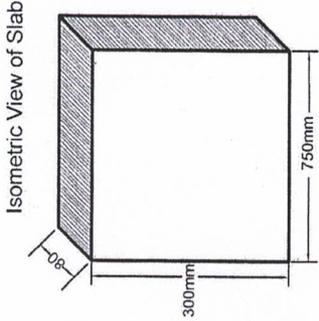
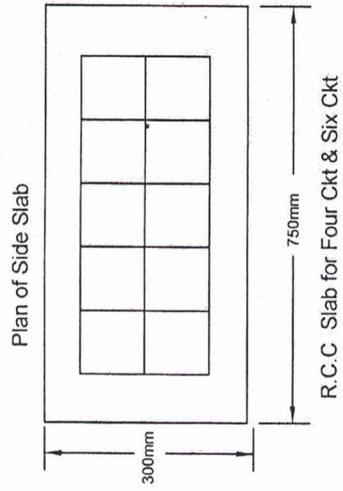
(Handwritten signature)

INSPECTION PIT (CABLE JOINT)



DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
		Md. Farhan		
BANGLADESH POWER DEVELOPMENT BOARD PDSO, PHASE-2, CHATTOGRAM ZONE CONSULTANT: KARIGARI PARAMARSHA Consulting Engineers TITLE: DRAWING NUMBER: SCALE: Not to Scale SHEET NUMBER: -				

Handwritten signature and initials

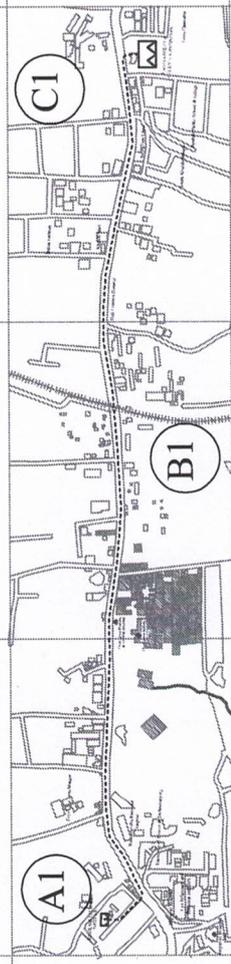


Karigari
Sector Consultant
Karigari Paramarsha
PDSDCZ (2nd Phase) BPDB
Chattogram.

DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
		Md. Farukhan		
BANGLADESH POWER DEVELOPMENT BOARD				
PDS, PHASE-2, CHATTOGRAM ZONE				
CONSULTANT:				
■ KARIGARI				
■ PARAMARSHA Consulting Engineers				
TITLE:				JOB-
DRAWING NUMBER: -				SHEET NUMBER: -
SCALE: Not to Scale				

A B C

ROUTE SELECTION OF UNDERGROUND CABLE LINE FROM KHULSHI
GRID TO NASIRABAD NEW 33/11 KV S/S (PROPOSED)



DATE 22/06/2023	DESIGNED BY MOTIER RAHMAN	CHECKED BY	APPROVED BY
BANGLADESH POWER DEVELOPMENT BOARD			
PDS, PHASE-2, CHATTOGRAM ZONE			
CONSULTANT:			
KARIGARI Consulting Engineers			
PARAMARSHA Consulting Engineers			
LOT-03			
TITLE: ROUTE SELECTION OF UNDERGROUND CABLE LINE FROM KHULSHI GRID TO NASIRABAD BOYS SCHOOL 33/11 KV S/S (PROPOSED)			
DRAWING NUMBER: -			
SCALE: Not to Scale			
SHEET NUMBER: -			



BAKALIA 132/33 KV GRID S/S TO CHAWKBAZAR 33/11 KV S/S (Proposed)
 UNDERGROUND CABLE ROUTE

NO.	DATE	DESCRIPTION	APPROVAL
1		EST POWER DEVELOPMENT BOARD	
2		D. PHASE-2, CHATTOGRAM ZONE	
3		LOT-47	
4		BAKALIA 132/33 KV S/S TO CHAWKBAZAR 33/11 KV S/S (Proposed)	
5		UNDERGROUND CABLE ROUTE	

(Handwritten signature)

A	B	C	D	E	F										
<p style="text-align: center;">BAKULIA 132/33 KV GRID S/S TO KORBANGONJ 33/11 KV S/S (PROPOSED) UNDERGROUND CABLE ROUTE</p>															
															
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DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY											
22/06/2020		REBEKA SULTANA													
<p style="text-align: center;">BANGLADESH POWER DEVELOPMENT BOARD</p>															
<p style="text-align: center;">PDS, PHASE-2, CHATTOGRAM ZONE</p>															
<p>CONSULTANT:</p> <p>KARIGARI LOT-03</p> <p>PARAMARSHA Consulting Engineers</p>															
<p>TITLE: BAKULIA 132/33 KV GRID S/S TO KORBANGONJ 33/11 KV S/S (PROPOSED) UNDERGROUND CABLE ROUTE</p>															
<p>DRAWING NUMBER: - SCALE: Not to Scale SHEET NUMBER: -</p>															
A	B	C	D	E	F										

Bakulia S/S_No-2

