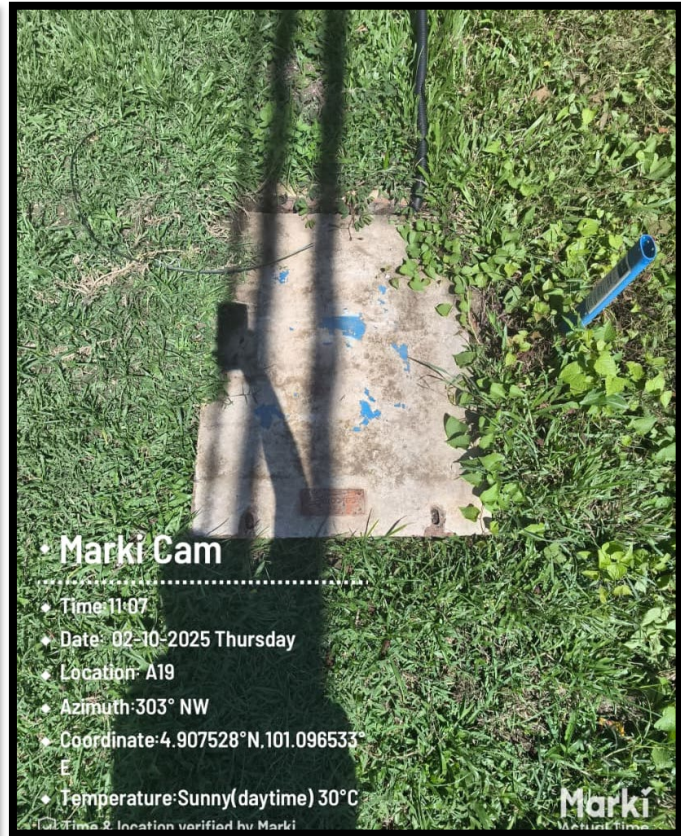


# TECHNICAL PROPOSAL (OSP)



**Ext. MH1**

**LAT : 4.909718N, LONG : 101.095362E**



**Ext. MH2**

**LAT : 4.907528N, LONG : 101.096533E**

## CIVIL INFRASTRUCTURE AND PROPOSE 1 WAY HDD FIBRE OPTIC CABLING SYSTEM

**Project Name:** TP EX IMPLEMENTATION - JALAN A19 SUNGAI KRUDDA ESTATE BAWONG

**Region :** NORTHERN

**Site/Link name :** C22-0431BC\_A00464\_BKTKRUDA\_RCC

**Site A :** CISCO KGBAWONG

**Site B :** BKTKRUDARCC

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- Section 8 : Work Schedule


# 1.0 OSP

## Section 1: Proposal Sign-off sheet

This proposal is to provide new civil infrastructure and fibre optic cabling for link below :

Location A : CISCO KGBAWONG  
Location B : BKTKRUDARCC

### Contractor

Name : MUTANIC TACHNOLOGY SDN BHD  
Signature :   
Check & Approved date : 14/10/2025  
Submission Date : 14/10/2025

### CelcomDiGi Authorized Personel

Verify By

Signature : \_\_\_\_\_  
Name : \_\_\_\_\_  
Date : \_\_\_\_\_

Approved By

Signature : \_\_\_\_\_  
Name : \_\_\_\_\_  
Date : \_\_\_\_\_

## OSP Summary

<b>Overall proposed Civil Infrastructure Design Distance</b>		250	meter
a.	MICRO Trenching	N/A	meter
b.	Horizontal Directional Drilling	250	meter
c.	Carriage Way Open Cut Trenching	N/A	meter
d.	Proposed Cable Trunking	N/A	meter
e.	Grass Verge Open Cut Trenching	N/A	meter
f.	Other ( LAMP POLE )	N/A	meter
g.	Exist Cable Ladder (in cabin)	N/A	meter
PROPOSED NEW CABLE CELCOM 96C		270	meter
INSTALL NEW 96C CLOSURE		2	Pc
No. of proposed Manhole/JoinBox/JB30		N/A	Pc
SLEEVE		N/A	pc
EXIST M/H		2	pc
PROPOSE M/H		N/A	pc
Estimated timeline required for job completion			days

## Existing Infrastructure Information

Preceding duct/sub-duct space	N/A
Preceding duct/sub-duct condition	N/A
Existing / tapping manhole	MH condition ok
Existing cable/fiber condition	Temporary cable

### TENAGA Pole Option:

TNB pole availability	N/A
Distance of the TNB poles	N/A
Constraint	N/A

### 3<sup>rd</sup> parties Dependencies

Item	Parties involve and location
LA/LC	KUDR, JKR KUALA KANGSAR
LLM / KTM / SBC / etc	N/A
Building Management / Land Lord	N/A
Private Owners	N/A

### Other Highlights/Remark

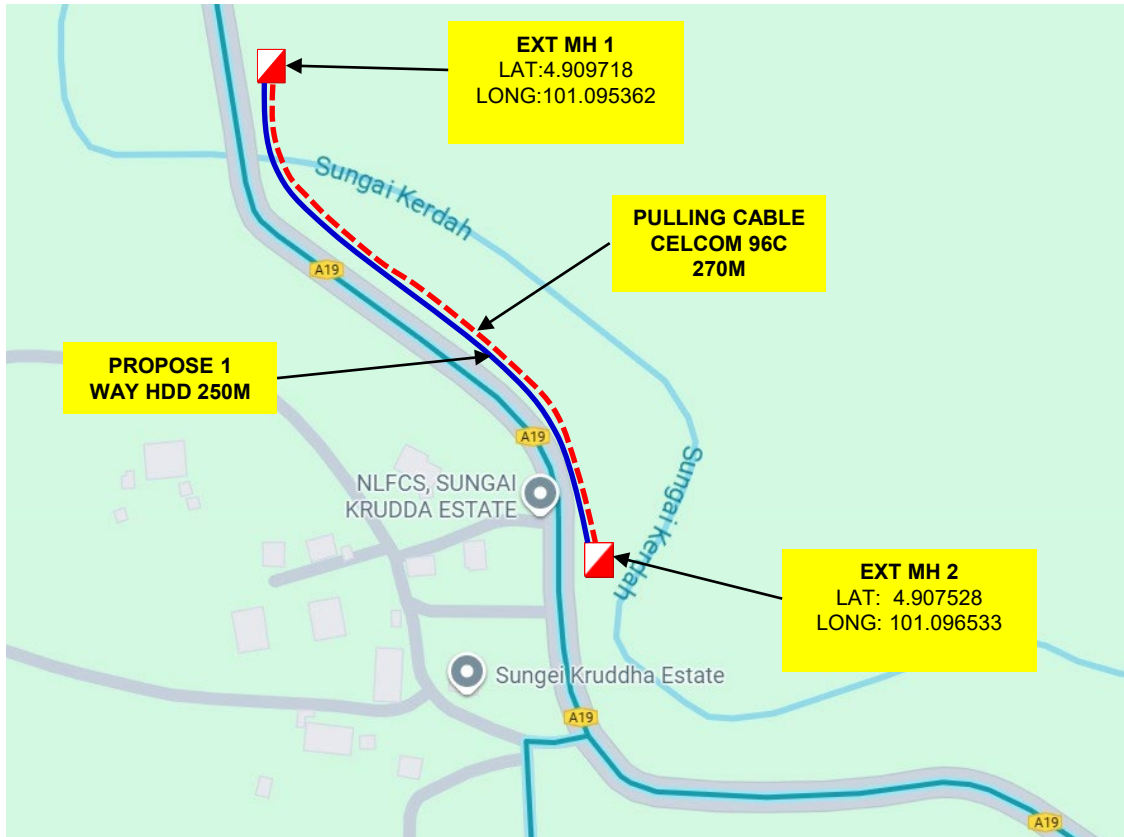
<p>TTP</p> <p>- Cable damaged into river.</p> <p>Incident :</p> <p>-Fibercut on 30/08/2025</p> <p>Currently install temporary cable</p> <p>- Link CISCO KGBAWONG-BKTKRUDARCC-ACC1</p>
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## Manholes GPS Coordinates

MANHOLE	LATITUDE	LONGTITUDE
EXISTING MH 1 (CELCOM)	4.909718N	101.095362E
EXISTING MH 2 (CELCOM)	4.907528N	101.096533E

## **Section 4 : OSP Routing Plan**

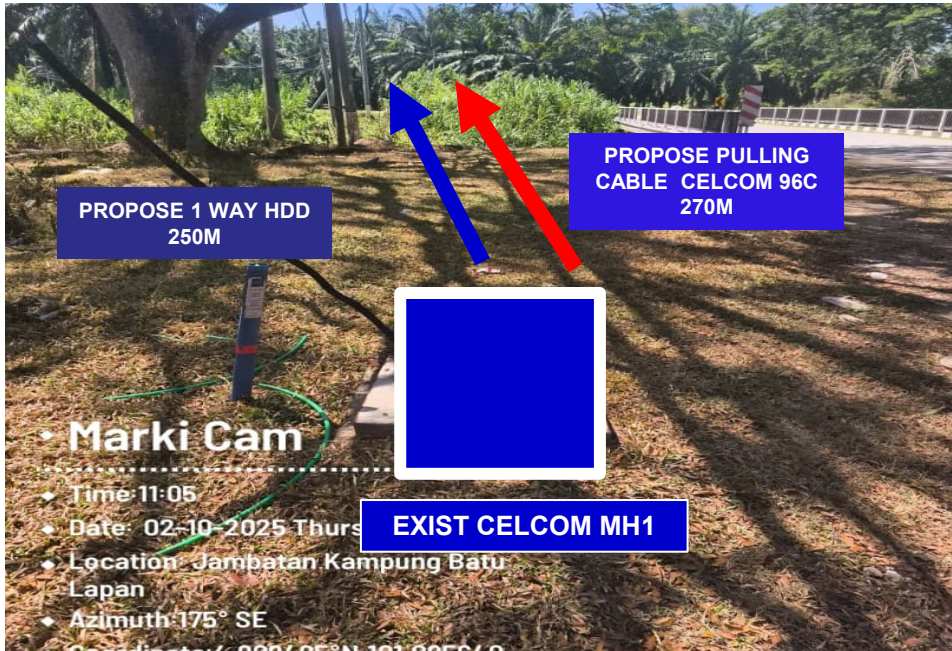
## Section 4 : OSP Routing Plan



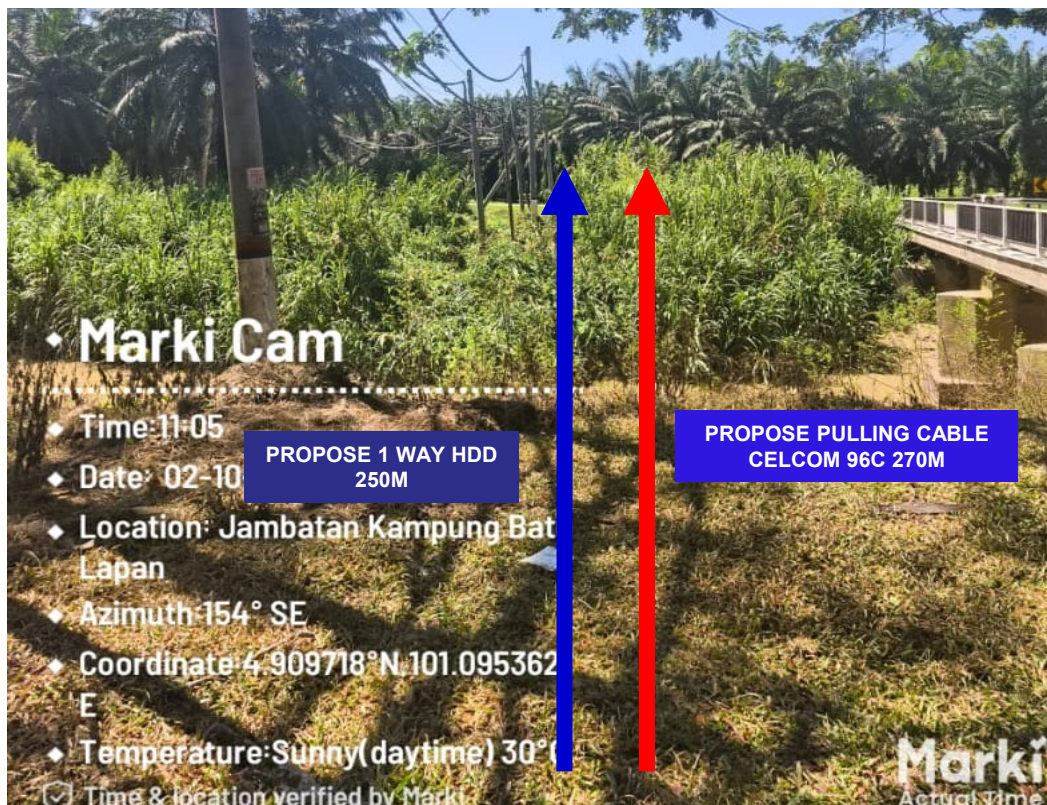
LEGEND :			
	HDD PIPE		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	DISTANCE		TOWER
	LAMP POLE		POLE
	G.I PIPE		

## **Section 5 : OSP Snapshot**

**Section 5: Outside Plant Site Snapshot**

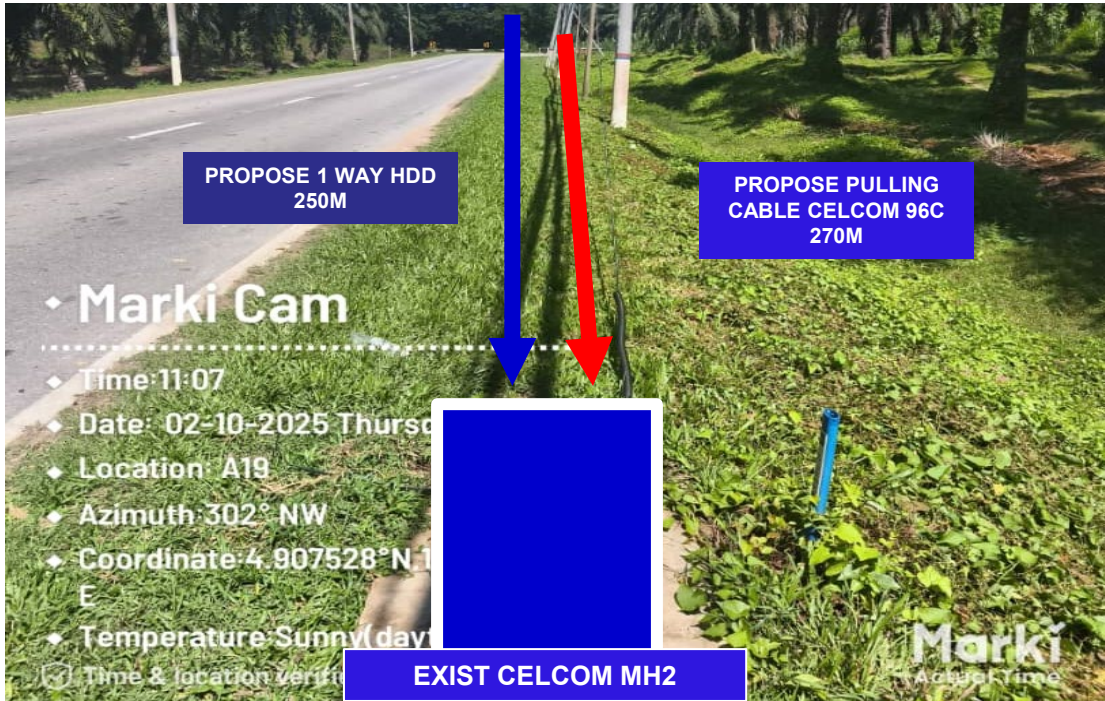


**JALAN A19 SUNGAI KRUDDA BAWONG**



**JALAN A19 SUNGAI KRUDDA BAWONG**

**Section 5: Outside Plant Site Snapshot**



**JALAN A19 SUNGAI KRUDDA BAWONG**

## **Section 6 : Room/Cabin Layout**

# Location of Rack and ODF



## **Section 7:3<sup>rd</sup> Party Listing**

## **Section 8: Work Schedule**

## Work Schedule

No.	Task name	Weeks							
		1	2	3	4	5	6	7	8
<b>1</b>	<b>CIVIL INFRASTRUCTURE WORKS</b>								
1.1	Mobilization								
1.2	Supply and Install MH c/w Accessories								
1.3	HDD Works								
1.4	Trenching Works								
1.5	Micro Trenching Works								
1.6	Supply and Install 4x32mm Sub-Duct								
1.7	Testing & Commissioning of Civil Infra*								
<b>2</b>	<b>CABLE WORKS</b>								
2.1	Laying of OFC 144C and/or 96C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
<b>3</b>	<b>SITE ACCEPTANCE</b>								
3.1	Handover Document								