

# TECHNICAL PROPOSAL (OSP)



**LOCATION A**

LAT : 5.133819, LONG : 100.828206



**LOCATION B**

LAT : 5.131889, LONG : 100.829110

## EXISTING CIVIL INFRASTRUCTURE, PROPOSED 1WAY HDD AND FIBRE OPTIC CABLING SYSTEM

**Project Name:** TP EX IMPLEMENTATION – A39 JALAN KAMPUNG BANGGOL KOLAM BATU KURAU PERAK

**Region :** NORTHERN

**Site/Link Name :** 22-0367BD\_AB\_4144R\_PLKN TEGAS MESRA TO 4454B\_KUBU GAJAH RDD

**SITE A :** 4144R\_PLKN TEGAS MESRA

**Site B :** 4454B\_KUBU GAJAH RDD

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# 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 : 4144R\_PLKN TEGAS MESRA

Location B : 4454B\_KUBU GAJAH RDD

### Contractor

Name : MUTANIC TECHNOLOGY SDN BHD

Signature : 

Check & Approved date : 29/12/2025

Submission Date : 29/12/2025

### CelcomDigi Authorized Personel

Approved By

Signature : \_\_\_\_\_

Name : \_\_\_\_\_

Date : \_\_\_\_\_

Verify 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 ( TEMPORARY)	N/A	meter
g.	Exist cable ladder (in cabin)	N/A	meter
Pulling new cable 144C (DIGI)		270	meter
Pulling new cable 96C (CELCOM)		N/A	meter
Proposed new closure 144C		2	pc
Proposed new closure 96C		N/A	pc
No. of proposed Manhole/Joint Box/JB30		N/A	pc
EXIST M/H		2	pc
Area of milling work required		N/A	meter <sup>2</sup>
Estimated timeline required for job completion		N/A	days

### Existing Infrastructure Information

Preceding duct/sub-duct space	N/A
Preceding duct/sub-duct condition	N/A
Existing / tapping manhole	N/A
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,
LLM / KTM / SBC / etc	N/A
Building Management / Land Lord	N/A
Private Owners	N/A

### Other Highlights/Remark

<p>TTP</p> <ul style="list-style-type: none"> <li>- TP replace temporary cable XD</li> <li>- TP to repair infrasturcture and replace the temporary cable with a permanent one</li> <li>- Fibercut occurs on 12/11/2025</li> </ul>
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## Manholes GPS Coordinates












MANHOLE	LATITUDE	LONGTITUDE
EXT MH 1 (DIGI)	5.133819	100.828206
EXT MH 2 (DIGI)	5.131889	100.829110

## **Section 3 : - Bill of Quantity**

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

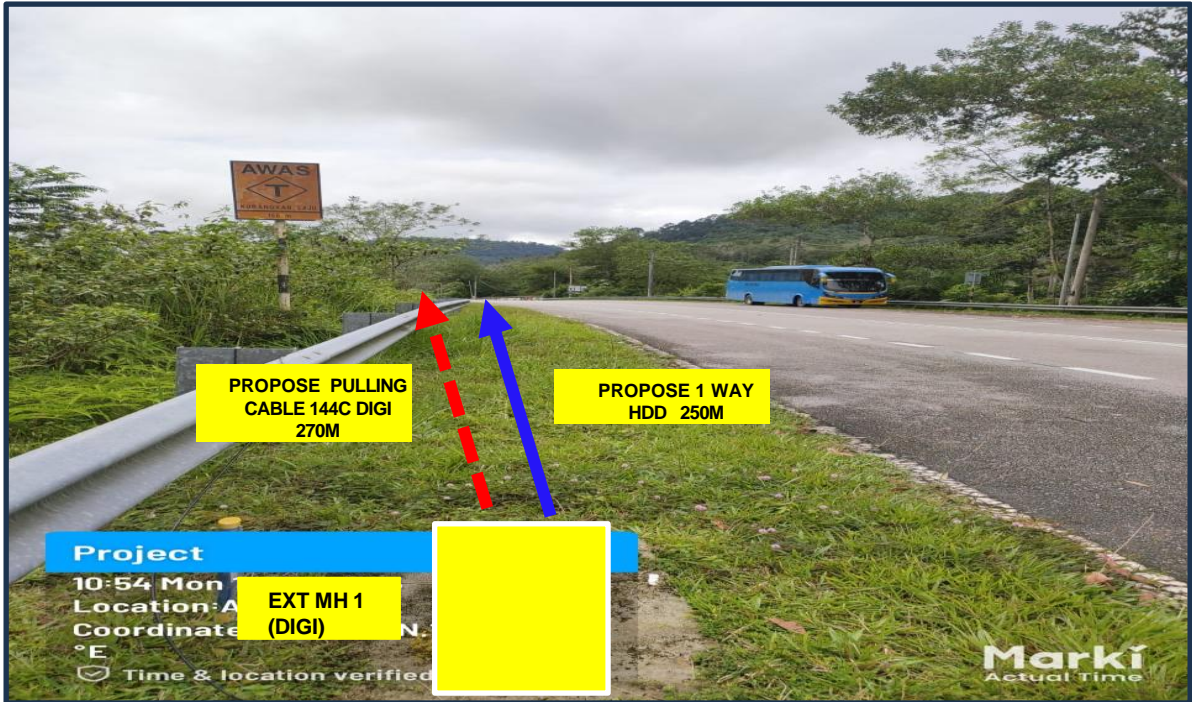
## Section 4 : OSP Routing Plan



LEGEND :			
	HDD PIPE		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	DISTANCE		TOWER
	LAMP POLE		POLE
	G.I PIPE		CABLE 144C
			CABLE 96C

## **Section 5 : OSP Snapshot**

**Section 5: Outside Plant Site Snapshot**



Jalan A39 Kampung Banggol Kolam



Jalan A39 Kampung Banggol Kolam

### Section 5: Outside Plant Site Snapshot



Jalan A39 Kampung Banggol Kolum



Jalan A39 Kampung Banggol Kolum

## **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>CML 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								