

# TECHNICAL PROPOSAL (OSP)



**LOCATION A**

**LAT : 4.346893 , LONG : 100.80141**



**LOCATION B**

**LAT : 4.345931 , LONG : 100.79203**

**EXISTING CIVIL INFRASTRUCTURE ,PROPOSED 1WAY HDD AND PULLING FIBRE OPTIC CABLING**

**Project Name:** TP EX IMPLEMENTATION – JALAN 5, AYER TAWAR (CHANGKAT CERMIN)

**Region :** NORTHERN

**Site/Link name :** AB\_14-0913\_JT4069\_Bandar Sri Iskandar\_JT4069\_Air Tawar

**Site A :** JT4069\_Bandar Sri Iskandar

**Site B :** JT4069\_Air Tawar

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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 : JT4069\_Bandar Sri Iskandar

Location B : JT4069\_Air Tawar

### Contractor

Name : Mutanic Technology Sdn Bhd

Signature : 

Check & Approved date : 15012025

Submission Date : 15012025

### CelcomDigi Authorized Personel

Verify By

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

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

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

Approved By

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

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

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

## OSP Summary

<b>Overall proposed Civil Infrastructure Design Distance</b>		1200	meter
a.	MICRO Trenching	N/A	meter
b.	Horizontal directional drilling	1200	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
Pulling new DIGI cable 144C		1250	meter
Pulling new CELCOM cable 96C		1250	meter
Proposed new closure 144C		4	pc
No. of proposed Manhole/Joint Box/JRC7		N/A	pc
EXIST M/H		5	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	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 PERAK
LLM / KTM / SBC / etc	N/A
Building Management / Land Lord	N/A
Private Owners	N/A

### Other Highlights/Remark

TP replace temporary cable to permanent cable.
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### Manholes GPS Coordinates

MANHOLES	LATITUDE	LONGTITUDE
EXIST MH 1	4.346893	100.80141
EXIST MH 2	4.347127	100.799768
EXIST MH 3	4.346956	100.796234
EXIST MH 4	4.346616	100.793944
EXIST MH 5	4.345931	100.79203

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

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










## Section 4 : OSP Routing Plan



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

## Section 4 : OSP Routing Plan

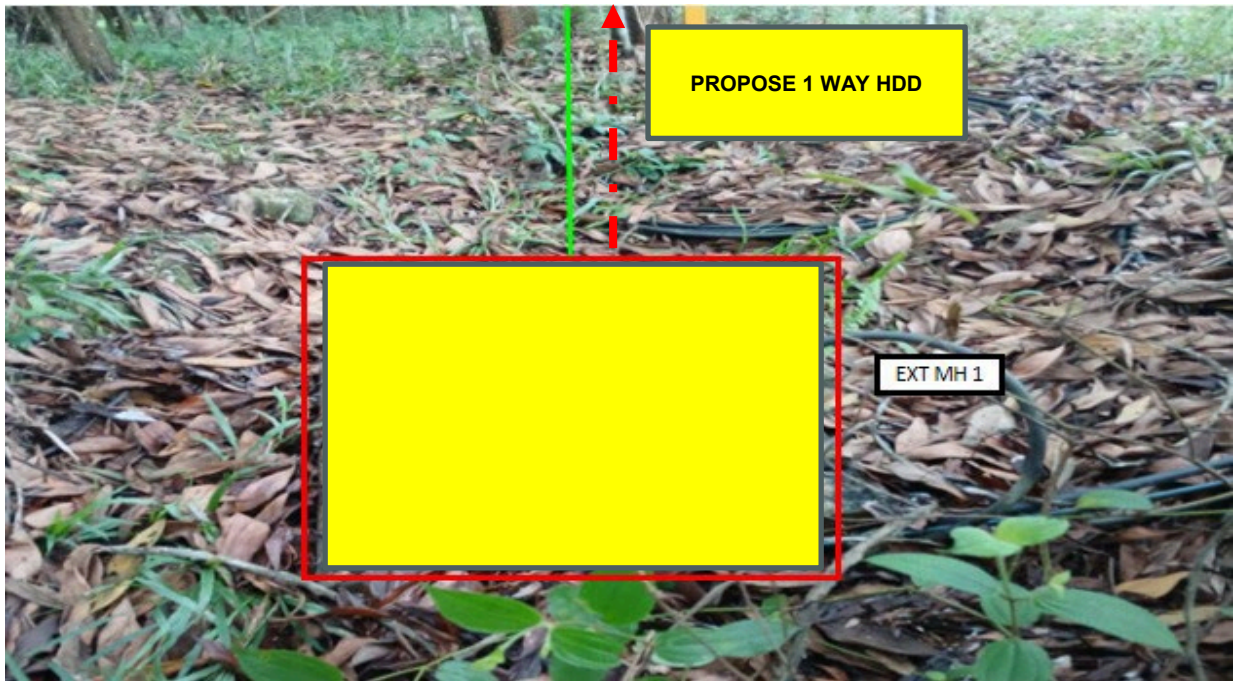


LEGEND :			
	OPEN CUT (CARRIAGEWAY)		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	HDD		TOWER
	LAMP POLE		PROPOSED POLE
	G.I PIPE		

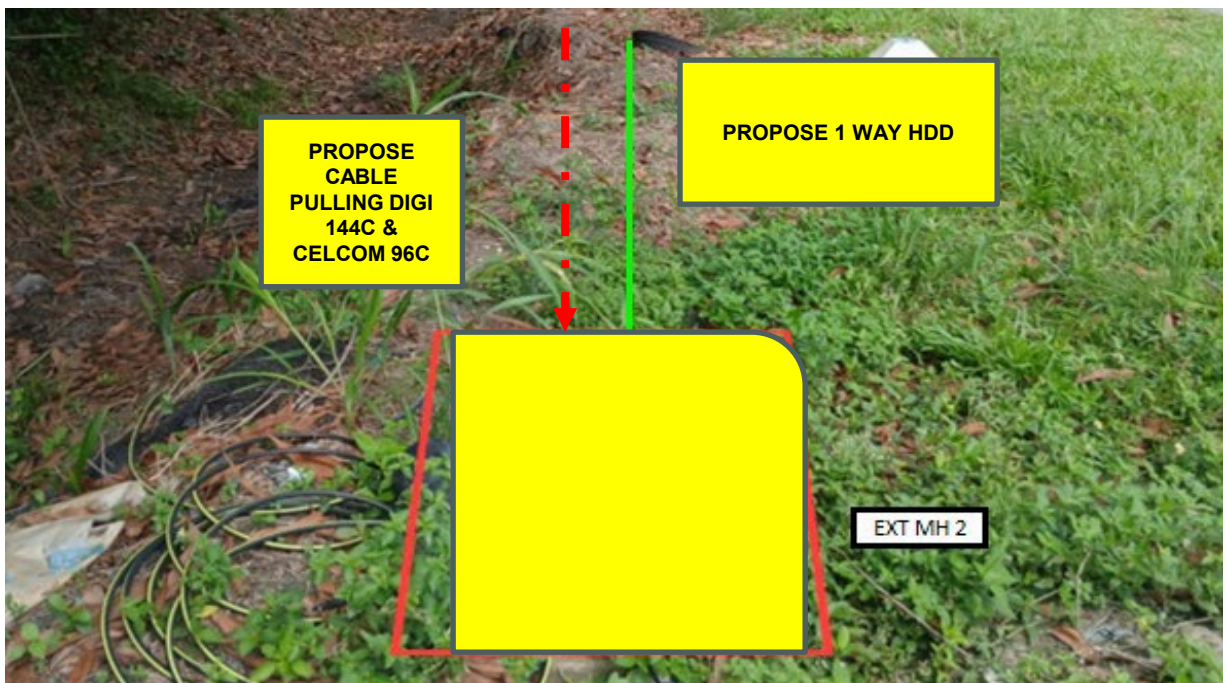


## **Section 5 : OSP Snapshot**

**Section 5: Outside Plant Site Snapshot**

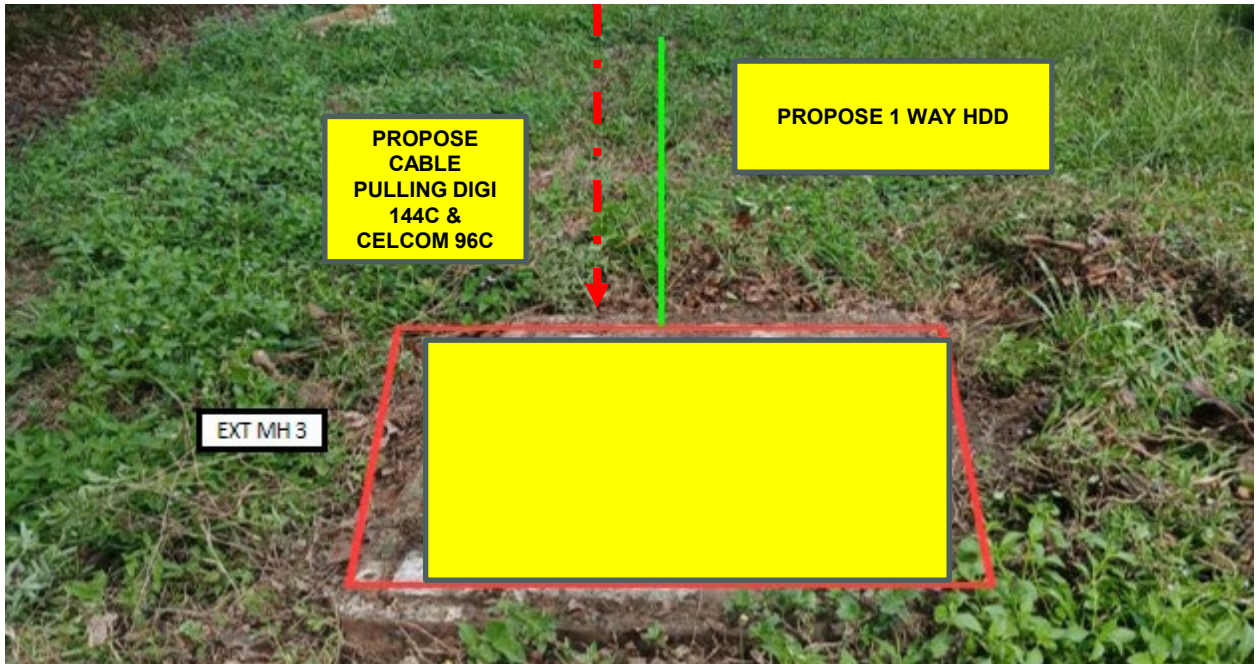


**LOCATION AT AYER TAWAR**



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**Section 5: Outside Plant Site Snapshot**

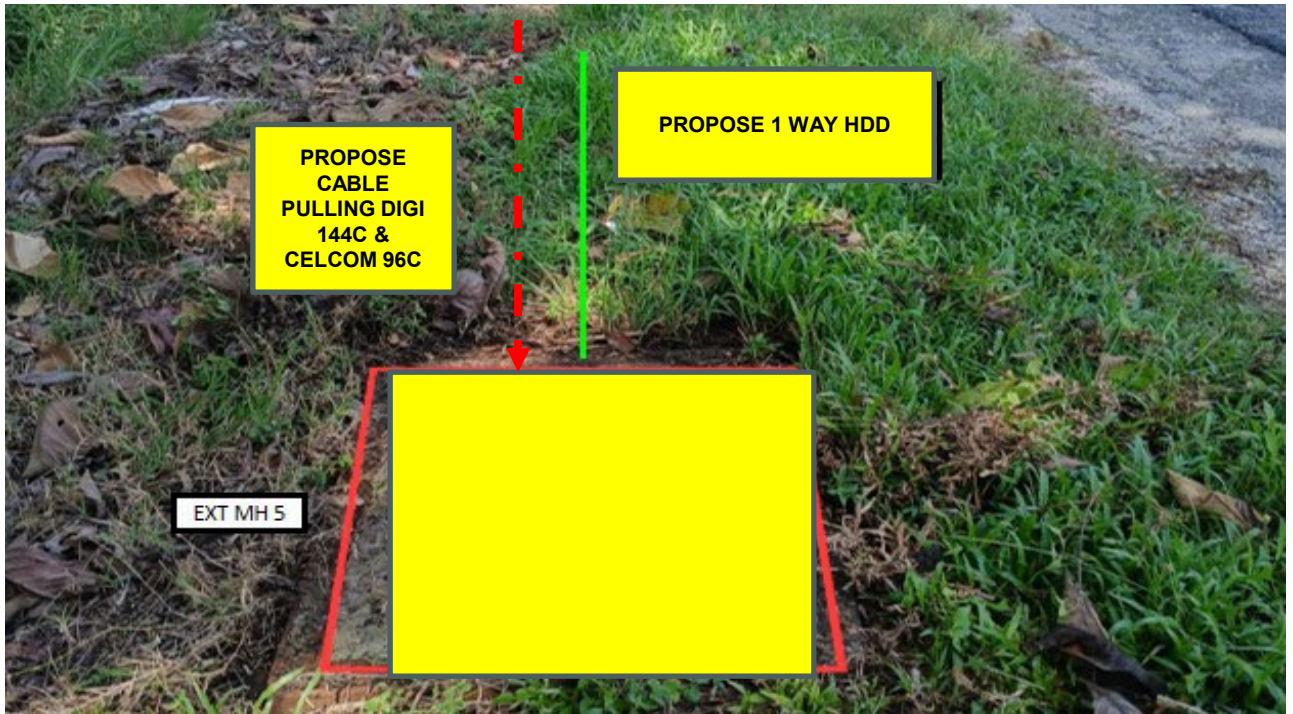


**LOCATION AT AYER TAWAR**



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**Section 5: Outside Plant Site Snapshot**



**LOCATION AT AYER TAWAR**



## **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 48C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
<b>3</b>	<b>SITE ACCEPTANCE</b>								
3.1	Handover Document								