

TECHNICAL PROPOSAL (OSP)



LOCATION A

LAT : 4.102954, LONG : 101.110906



LOCATION B

LAT : 4.106727, LONG : 101.113353

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

Project Name: TP EX IMPLEMENTATION - JALAN CHIKUS (SUNGAI LAMPAM)

Region : NORTHERN

Site/Link Name : FL1-0010_L1-0013_ AIR KUNING-TELUK INTAN

Site A : AIR KUNING

Site B : TELUK INTAN

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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 : AIR KUNING

Location B : TELUK INTAN

Contractor

Name : MUTANIC TECHNOLOGY SDN BHD

Signature : 

Check & Approved date : 28/05/2025

Submission Date : 28/05/2025

CelcomDigi Authorized Personel

Verify By

Signature : _____

Name : _____

Date : _____

Approved By

Signature : _____

Name : _____

Date : _____

OSP Summary

Overall proposed Civil Infrastructure Design Distance		500	meter
a.	MICRO Trenching	N/A	meter
b.	Horizontal directional drilling	500	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)		550	meter
Pulling new cable 96C (CELCOM)		550	meter
Proposed new closure 144C		2	pc
Proposed new closure 96C		2	pc
No. of proposed Manhole/Joint Box/JB30		1	pc
EXIST M/H		2	pc
Area of milling work required		N/A	meter ²
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

3rd parties Dependencies

Item	Parties involve and location
LA/LC	KUDR, JKR Hilir Perak
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"> - TP replace temporary cable for both XC & XD - TP to repair infrasturcture and replace the temporary cable with a permanent one - FF highlight in monthy meeting (MOM) on 09/10/2024 to rectify this link

Manholes GPS Coordinates

MANHOLE	LATITUDE	LONGTITUDE
EXISTING MH 1 (CELCOM)	4.102954	101.110906
NEW MH 1	4.104927	101.112032
EXISTING MH 2 (CELCOM)	4.106727	101.113353

Section 3 : - Bill of Quantity

Section 4 : OSP Routing Plan

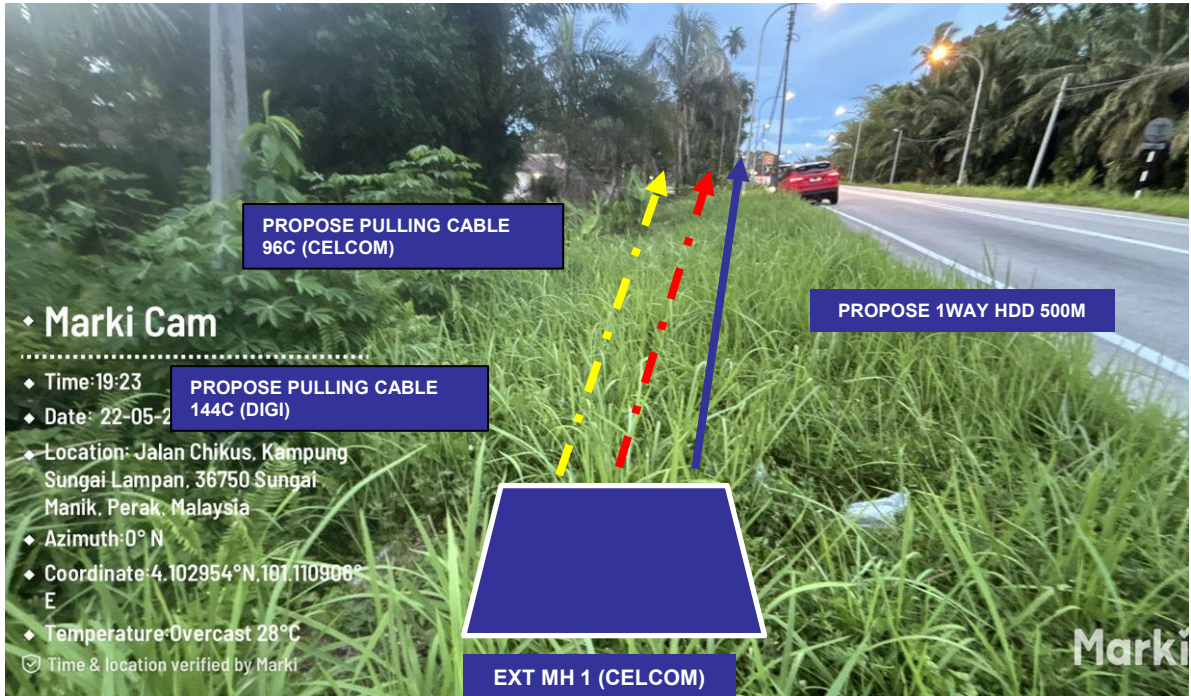
Section 4 : OSP Routing Plan



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

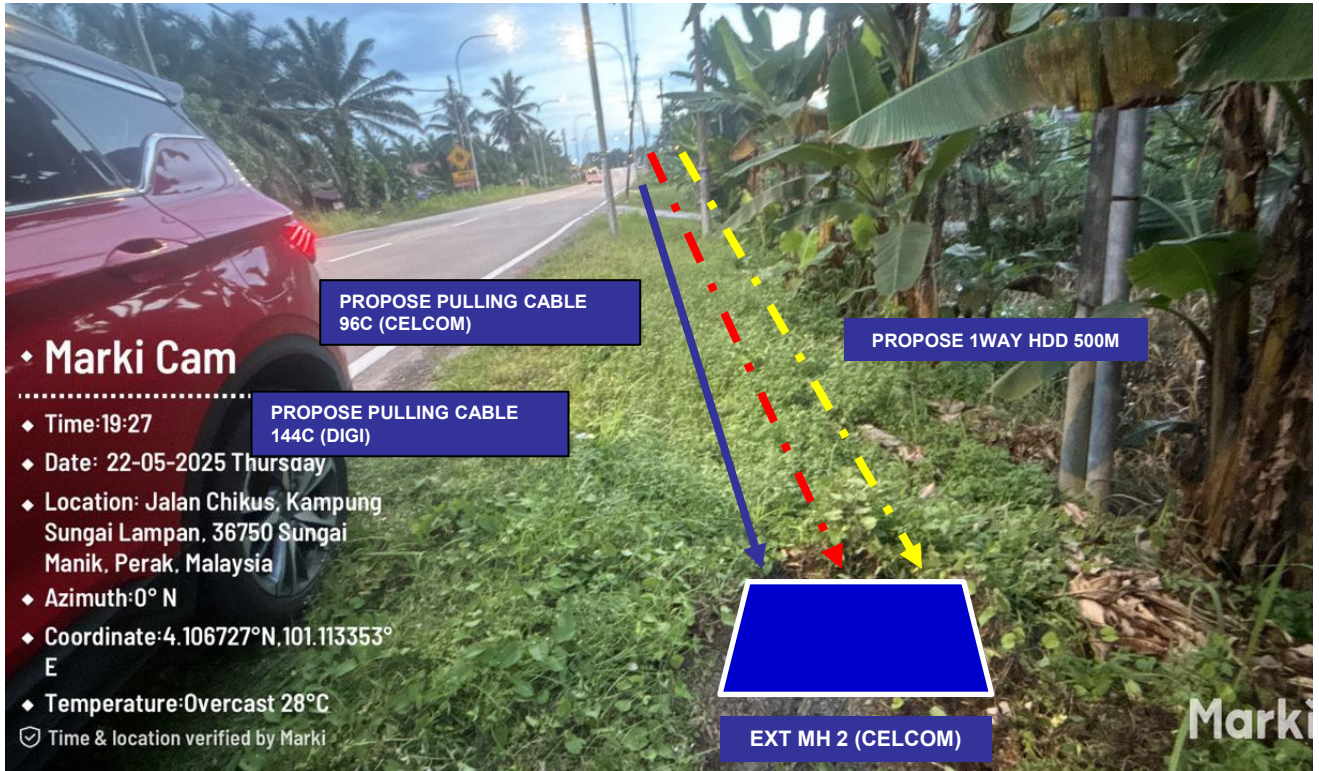


JALAN CHIKUS SUNGAI MANIK PERAK



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Section 5: Outside Plant Site Snapshot



JALAN CHIKUS SUNGAI MANIK PERAK

Section 6 : Room/Cabin Layout

Location of Rack and ODF



Section 7:3rd Party Listing

Section 8: Work Schedule

Work Schedule

No.	Task name	Weeks							
		1	2	3	4	5	6	7	8
1	CIVIL INFRASTRUCTURE WORKS								
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*								
2	CABLE WORKS								
2.1	Laying of OFC 144C and/or 96C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
3	SITE ACCEPTANCE								
3.1	Handover Document								