

TECHNICAL PROPOSAL (OSP)



LOCATION A

LAT : 4.373231 , LONG : 100.980173



LOCATION B

LAT : 4.365167 , LONG :100.977743

EXISTING CIVIL INFRASTRUCTURE .PROPOSED 1WAY HDD PULLING FIBRE OPTIC CABLING

Project Name: TP EX IMPLEMENTATION - JALAN IPOH-LUMUT HIGHWAY (KFC SRI ISKANDAR)

Region : NORTHERN

Site/Link Name : FL3-0082_AB_14-0219_JT4037_JUNCTION PAPAN_JT4038_BANDAR SRI ISKANDAR

Site A : JT4037_JUNCTION PAPAN

Site B : JT4038_BANDAR SRI ISKANDAR

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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 : JT4037_JUNCTION PAPAN

Location B : JT4038_BANDAR SRI ISKANDAR

Contractor

Name : MUTANIC TECHNOLOGY SDN BHD

Signature : 

Check & Approved date : 03/09/2024

Submission Date : 03/09/2024

CelcomDigi Authorized Personel

Verify By

Signature : _____

Name : _____

Date : _____

Approved By

Signature : _____

Name : _____

Date : _____

OSP Summary

Overall proposed Civil Infrastructure Design Distance		1054	meter
a.	MICRO Trenching	N/A	meter
b.	Horizontal directional drilling	N/A	meter
c.	Carriage way open cut trenching	536	meter
d.	Proposed Cable Trunking	N/A	meter
e.	Grass Verge open cut trenching	518	meter
f.	Other (LAMP POLE)	N/A	meter
g.	Exist cable ladder (in cabin)	N/A	meter
Pulling new cable 144C		1064	meter
Proposed new closure		2	pcs
No. of proposed Manhole/Joint Box/JRC7		N/A	pc
EXIST M/H		5	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 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

Manholes GPS Coordinates

MANHOLES	LATITUDE	LONGTITUDE
EXIST MH 1	4.373231	100.980173
EXIST MH 2	4.3708	100.979952
EXIST MH 3	4.368692	100.979803
EXIST MH 4	4.366674	100.979328
EXIST MH 5	4.365167	100.977743

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



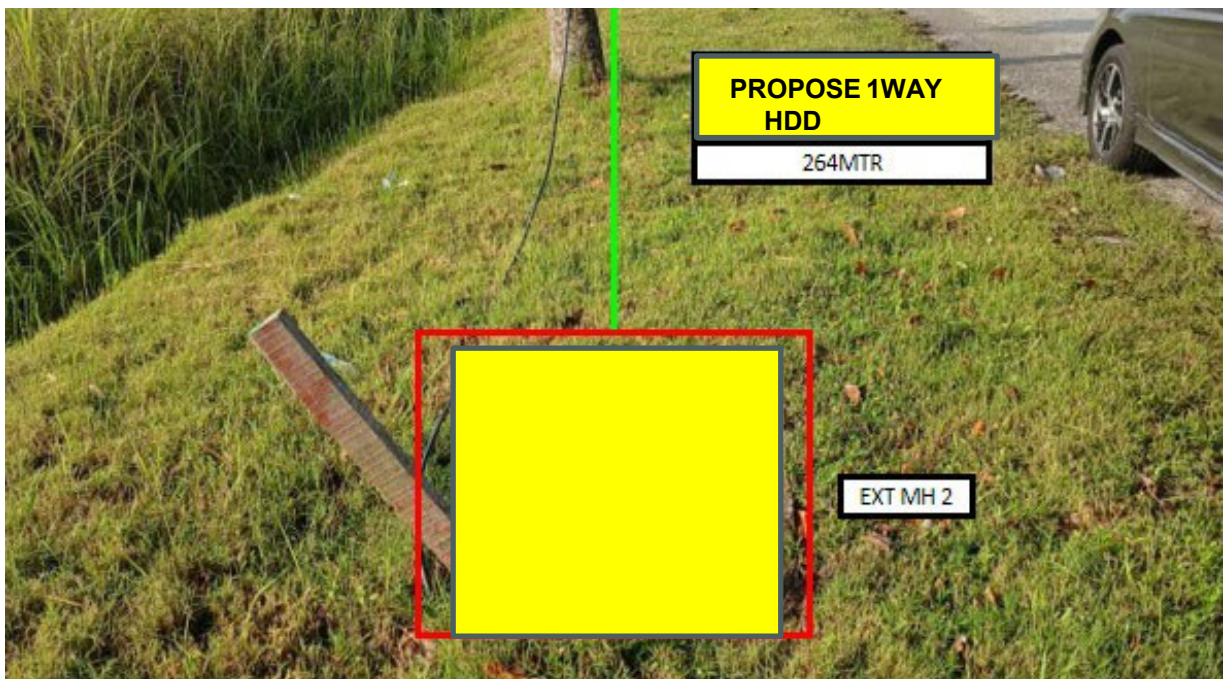
LEGEND :			
	OPEN CUT (CARRIAGEWAY)		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	HDD		TOWER
	LAMP POLE		PROPOSED POLE
	G.I PIPE		

Section 5 : OSP Snapshot

Section 5: Outside Plant Site Snapshot



LOCATION AT IPOH-LUMUTHWY



LOCATION AT IPOH-LUMUTHWY

Section 5: Outside Plant Site Snapshot

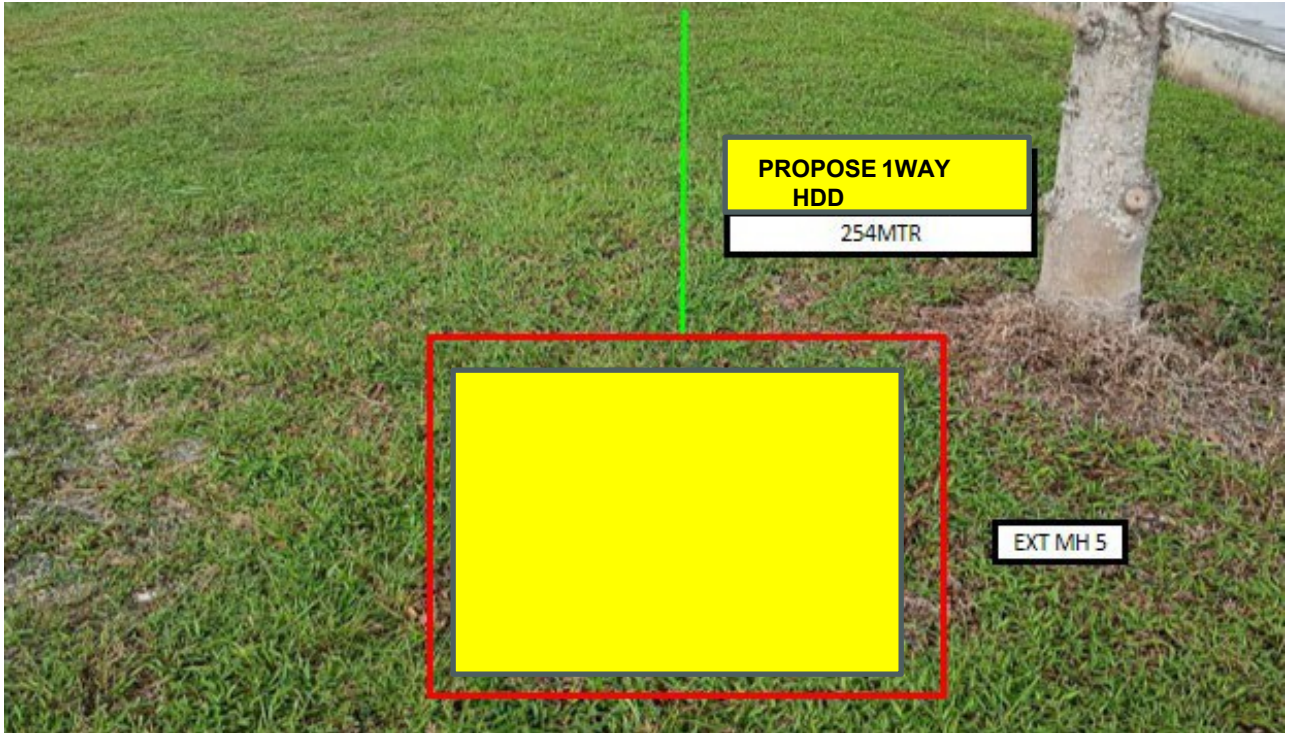


LOCATION AT IPOH - LUMUTHWY



LOCATION AT IPOH - LUMUTHWY

Section 5: Outside Plant Site Snapshot



LOCATION AT IPOH - LUMUTHWY



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 48C								
2.2	Splicing & Termination								
2.3	Testing & Commissioning*								
3	SITE ACCEPTANCE								
3.1	Handover Document								