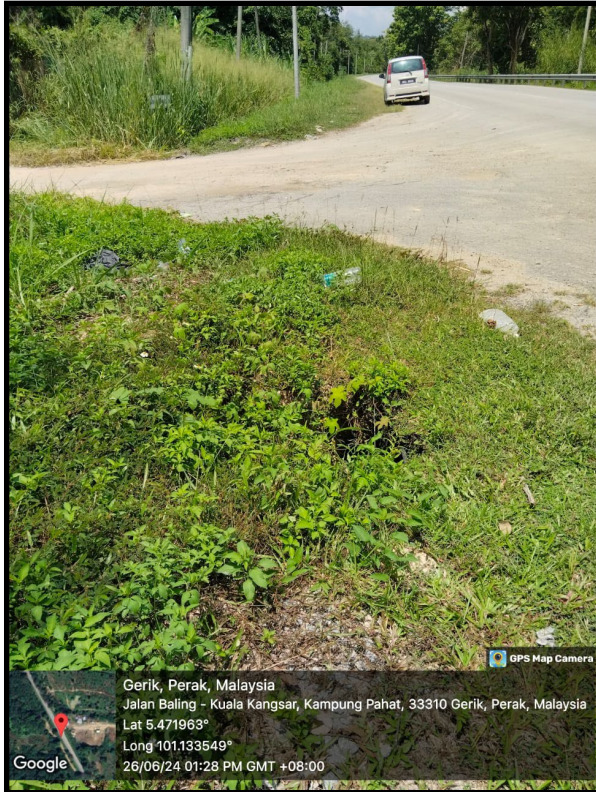


TECHNICAL PROPOSAL (OSP)



LOCATION A

LAT : 5.471939, LONG : 101.133546



LOCATION B

LAT : 5.469922, LONG : 101.134589

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

Project Name: TP EXT IMPLEMENTATION AT JALAN BALING-KUALA KANGSAR (GERIK)

Region : NORTHERN

Site/Link Name : FL2-0002_AB_13-0111_JUNCTION TO KG PAHAT _4736B_JUNCTION TO FELDA BESIA

Site A : 13-0111_JUNCTION TO KG PAHAT

Site B : 4736B_JUNCTION TO FELDA BESIA

Table of Contents

1.0 OSP

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- Section 2 : OSP & ISP Summary
- Section 3 : Bill of Quantity (Without Pricing)
- Section 4 : OSP Routing Plan
- Section 5 : OSP Snapshot
- Section 6 : Room/Cabin Layout
- Section 7 : 3rd Party Dependency Listing
- Section 8 : Work Schedule


1.0 OSP

Section 1: Proposal Sign-off sheet


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

Location A : 13-0111_JUNCTION TO KG PAHAT
Location B : 4736B_JUNCTION TO FELDA BESIA

Contractor

Name : MUTANIC TECHNOLOGY SDN BHD
Signature : 
Check & Approved date : 17/07/2024
Submission Date : 17/07/2024

CelcomDigi Authorized Personel

Verify By
Signature : 
Name : Mohd Rosmizan Ramli
Operation & Maintenance Specialist
Fiber Operation & Maintenance
CelcomDigi Bhd
Date : 5 Aug 2024

Approved By

Signature : _____
Name : _____
Date : _____

OSP Summary

Overall proposed Civil Infrastructure Design Distance		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
Pulling new cable 144C & 96C		300	meter
Proposed new closure		4	pcs
Demolish Existing Manhole		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 ²
Estimated timeline required for job completion		N/A	days

Existing Infrastructure Information

Preceding duct/sub-duct space	sub-duct available
Preceding duct/sub-duct condition	sub-duct available
Existing / tapping manhole	
Existing cable/fiber condition	

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	
LLM / KTM / SBC / etc	
Building Management / Land Lord	
Private Owners	

Other Highlights/Remark

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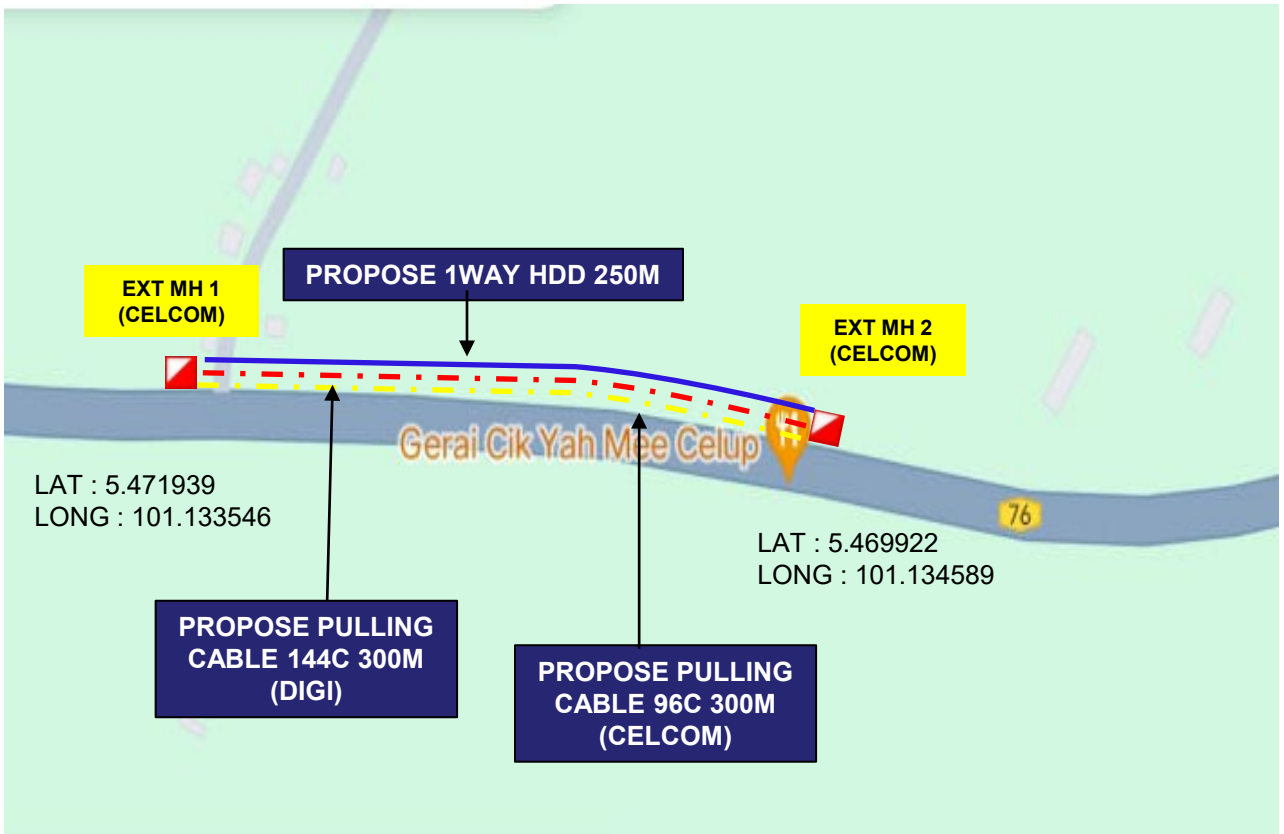
Manholes GPS Coordinates

MANHOLE	LATITUDE	LONGTITUDE
EXISTING MH 1	5.471939	101.133546
EXISTING MH 2	5.469922	101.134589












Section 3 : - Bill of Quantity

Section 4 : OSP Routing Plan

Section 4 : OSP Routing Plan



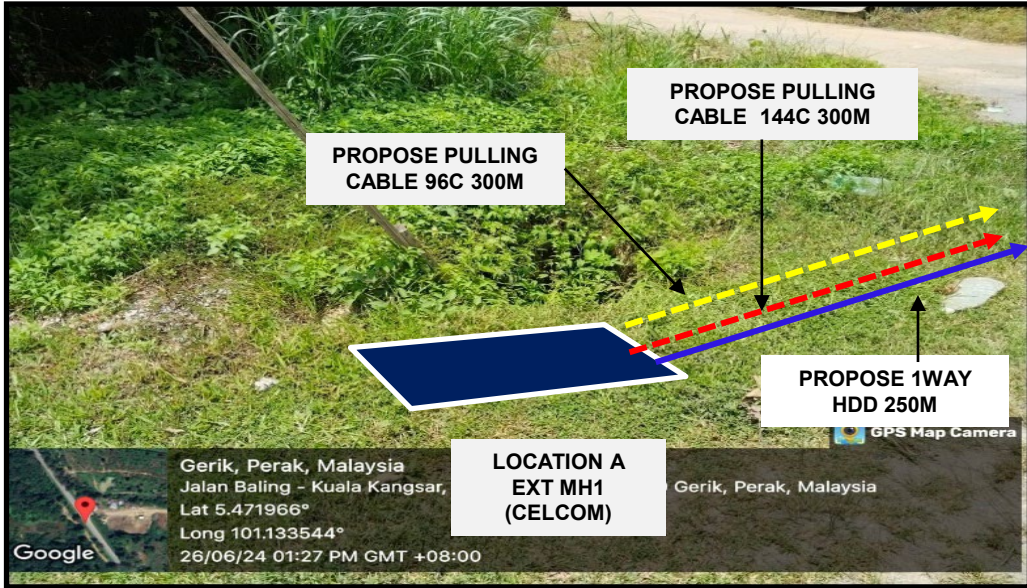
LEGEND :

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

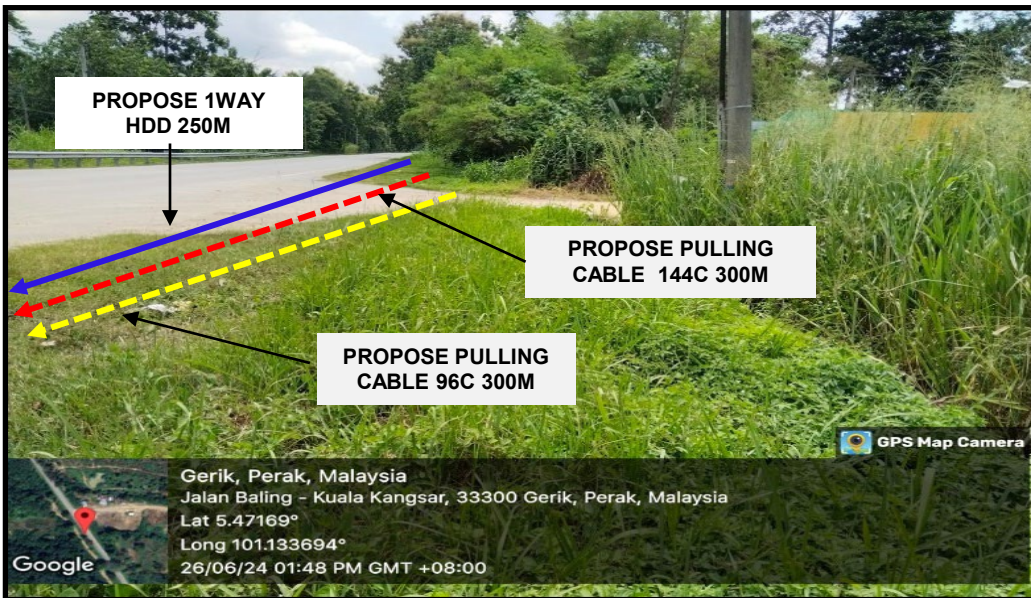
Section 5 : OSP Snapshot

Section 5: Outside Plant Site Snapshot

PHOTO 1



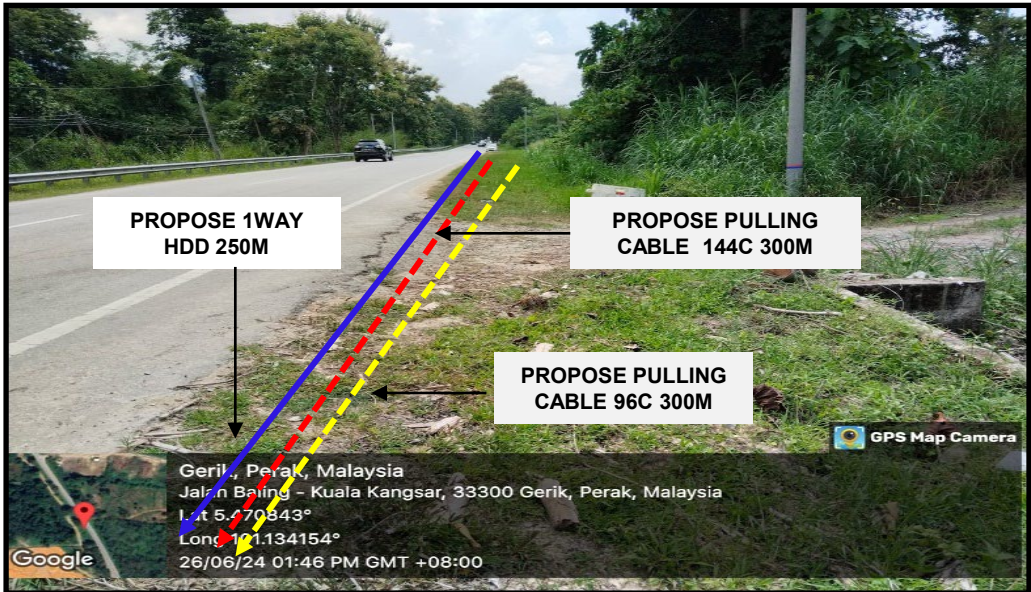
LOCATION : JALAN BALING- KUALA KANGSAR



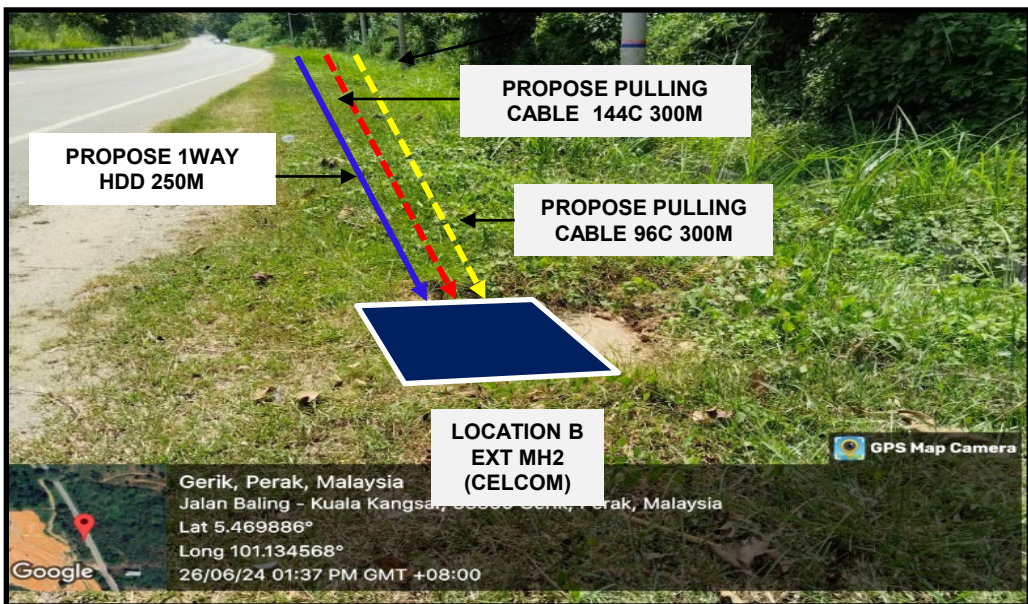
LOCATION : JALAN BALING- KUALA KANGSAR

Section 5: Outside Plant Site Snapshot

PHOTO 2



LOCATION : JALAN BALING- KUALA KANGSAR



LOCATION : JALAN BALING- KUALA KANGSAR

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