

TECHNICAL PROPOSAL (OSP)



LOCATION A

LAT : 4.818701, LONG : 101.078170



LOCATION B

LAT : 4.817727, LONG : 101.079379

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

Project Name: TP EX IMPLEMENTATION – LALUAN AMAN 4, SUNGAI SIPUT

Region : NORTHERN

Site/Link name : FL1-0003 SALAK-SG SIPUT

Site A : SALAK

Site B : SG SIPUT

Table of Contents

1.0 OSP

- Section 1 : Proposal Sign-off sheet
- 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

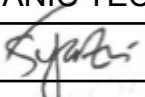
1.0 OSP

Section 1: Proposal Sign-off sheet

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

Location A : SALAK
Location B : SG SIPUT

Contractor

Name : MUTANIC TECHNOLOGY SDN BHD
Signature : 
Check & Approved date : 10/12/2024
Submission Date : 10/12/2024

CelcomDigi Authorized Personel

Verify By

Signature : _____
Name : _____
Date : _____

Approved By

Signature : _____
Name : _____
Date : _____

OSP Summary

Overall proposed Civil Infrastructure Design Distance		220	meter
a.	MICRO Trenching	N/A	meter
b.	Horizontal directional drilling	220	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 (DIGI)		240	meter
Pulling new cable 48C (CELCOM)		240	meter
Proposed new closure 144C		2	Pc
Proposed new closure 48C		2	Pc
No. of proposed Manhole/Joint Box/JRC7		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	N/A
Preceding duct/sub-duct condition	N/A
Existing / tapping manhole	MH condition OK
Existing cable/fiber condition	Infra & existing cable damaged/ 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	JKR Perak, KUDR
LLM / KTM / SBC / etc	N/A
Building Management / Land Lord	N/A
Private Owners	N/A

Other Highlights/Remark

<p>Incident Detail:</p> <ol style="list-style-type: none"> 1. INC000090775336- 11/8/2024-CRITICAL-XD 2. INC-20240811-000255 / CM-20240811-000185/ CM-20240811-000186-11/8/2024-CRITICAL-XC

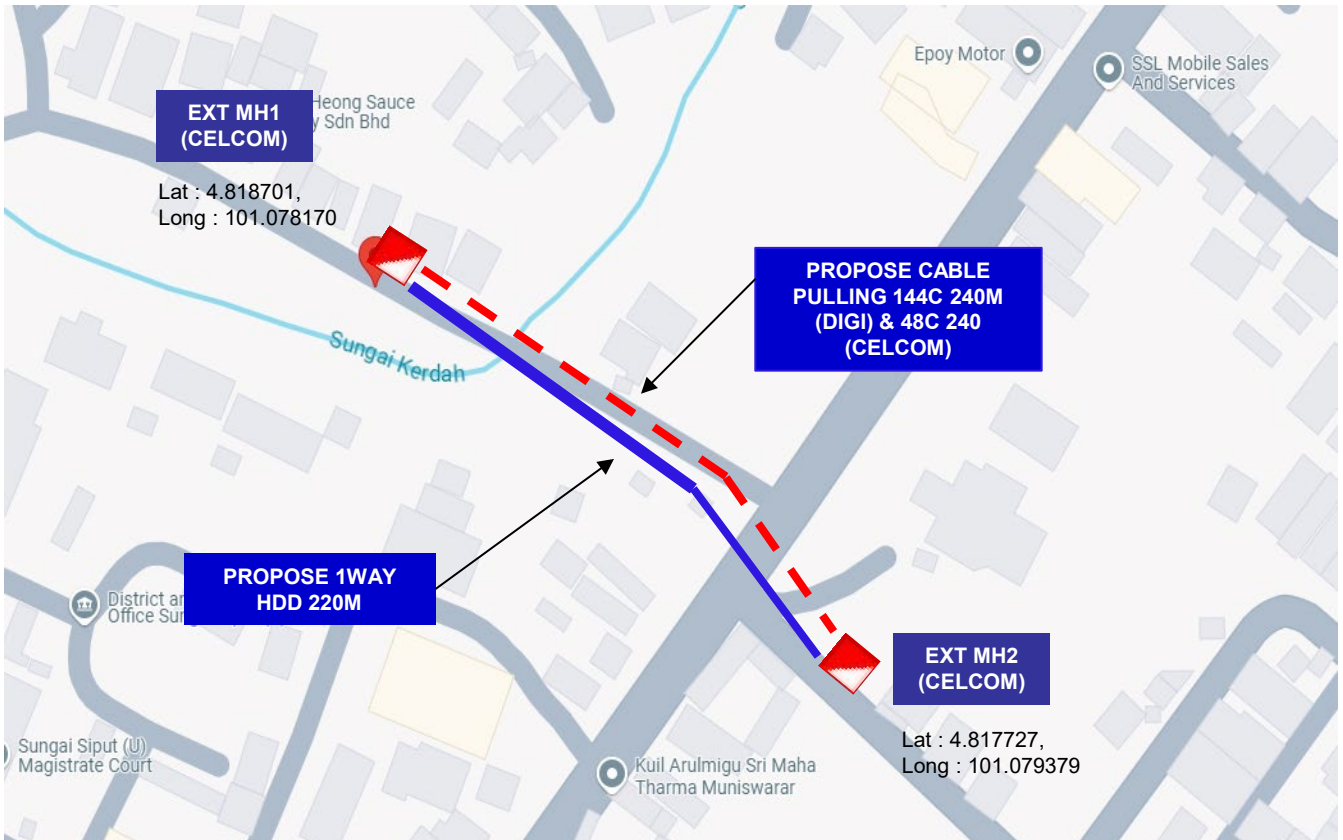
Manholes GPS Coordinates

MANHOLE	LATITUDE	LONGTITUDE
EXT MH 1 (CELCOM)	4.818701	101.078170
EXT MH 2 (CELCOM)	4.817727	101.079379

Section 3 : - Bill of Quantity

Section 4 : OSP Routing Plan

Section 4 : OSP Routing Plan

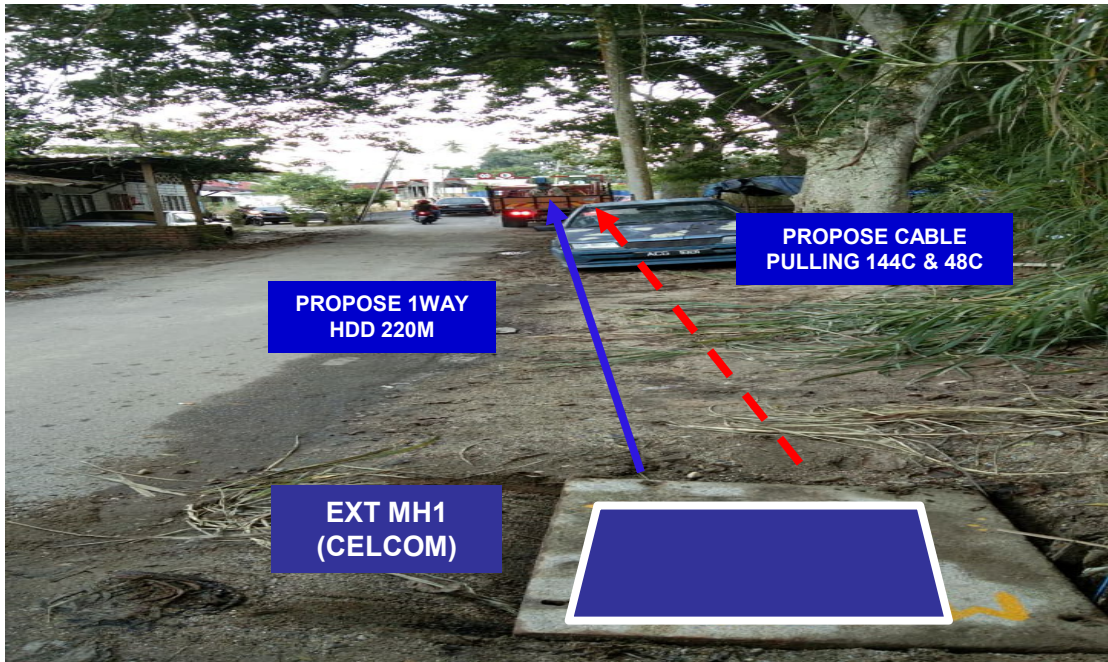


LEGEND :			
	HDD PIPE		EXT. MH
	OPEN CUT (GRASS VERGE)		PROPOSED MH
	DISTANCE		TOWER
	LAMP POLE		POLE
	G.I PIPE		CABLE 144C

Section 5 : OSP Snapshot

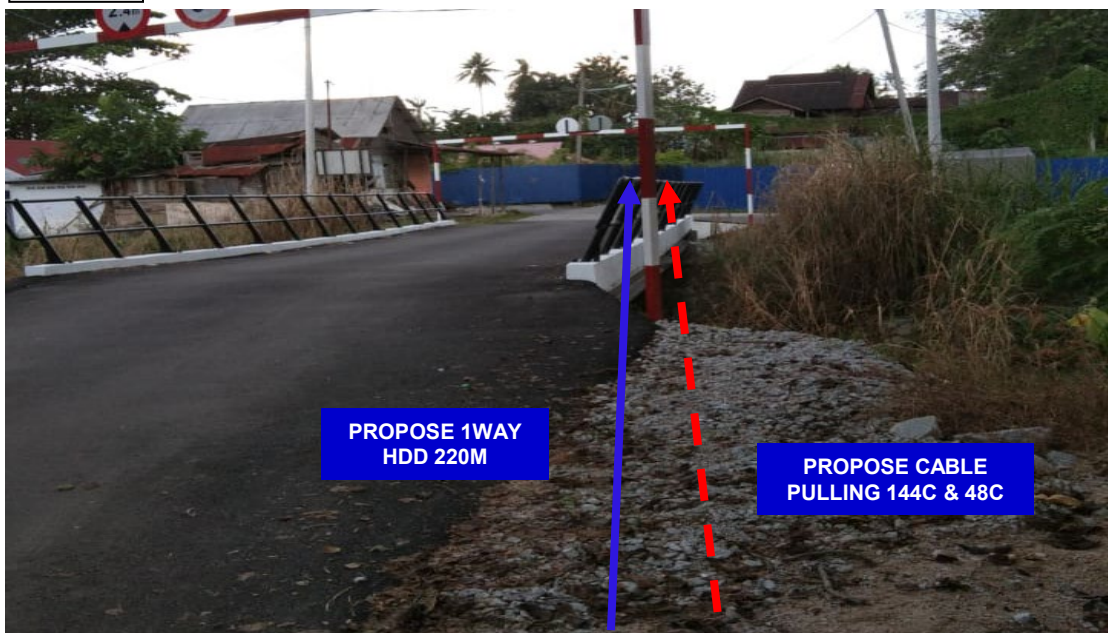
Section 5: Outside Plant Site Snapshot

PHOTO 1



LALUAN AMAN 4

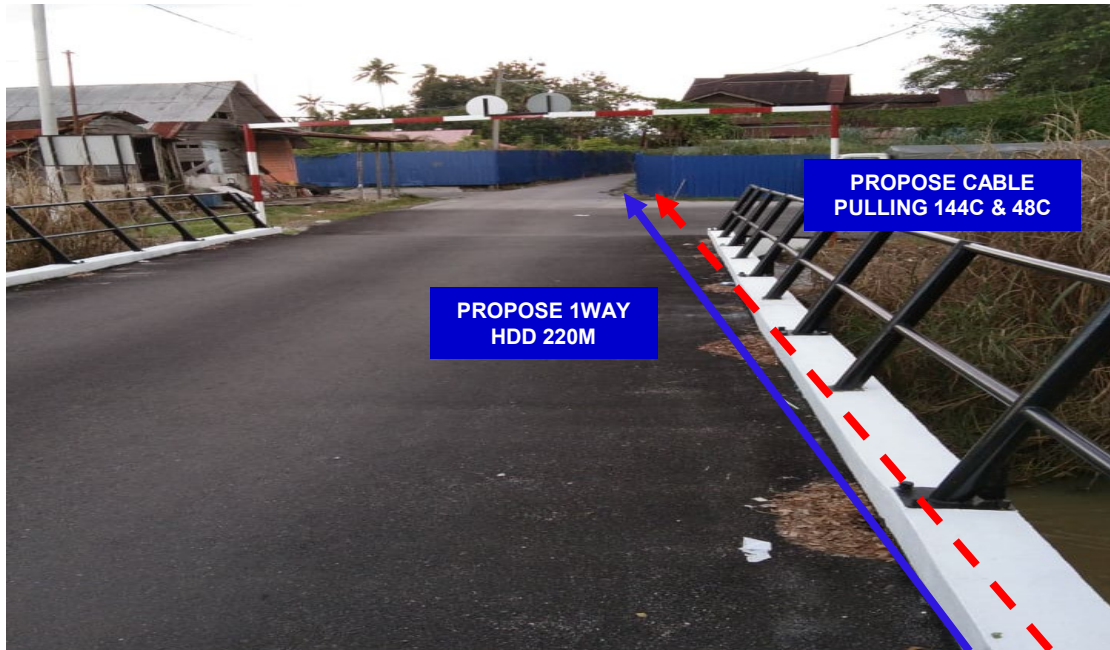
PHOTO 2



LALUAN AMAN 4

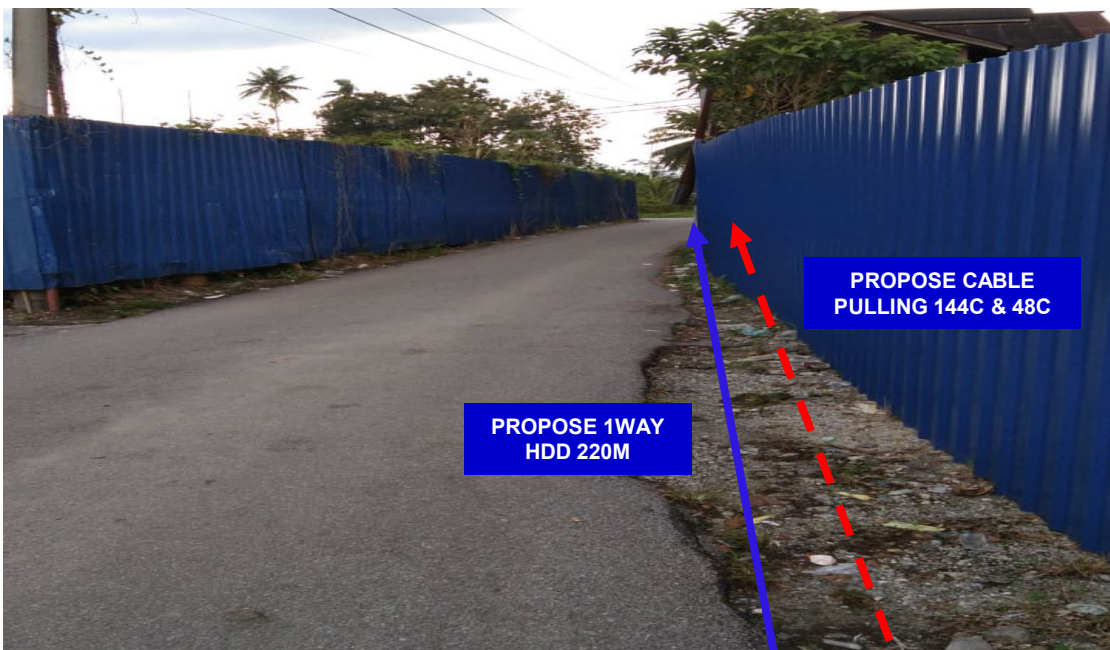
Section 5: Outside Plant Site Snapshot

PHOTO 3



LALUAN AMAN 4

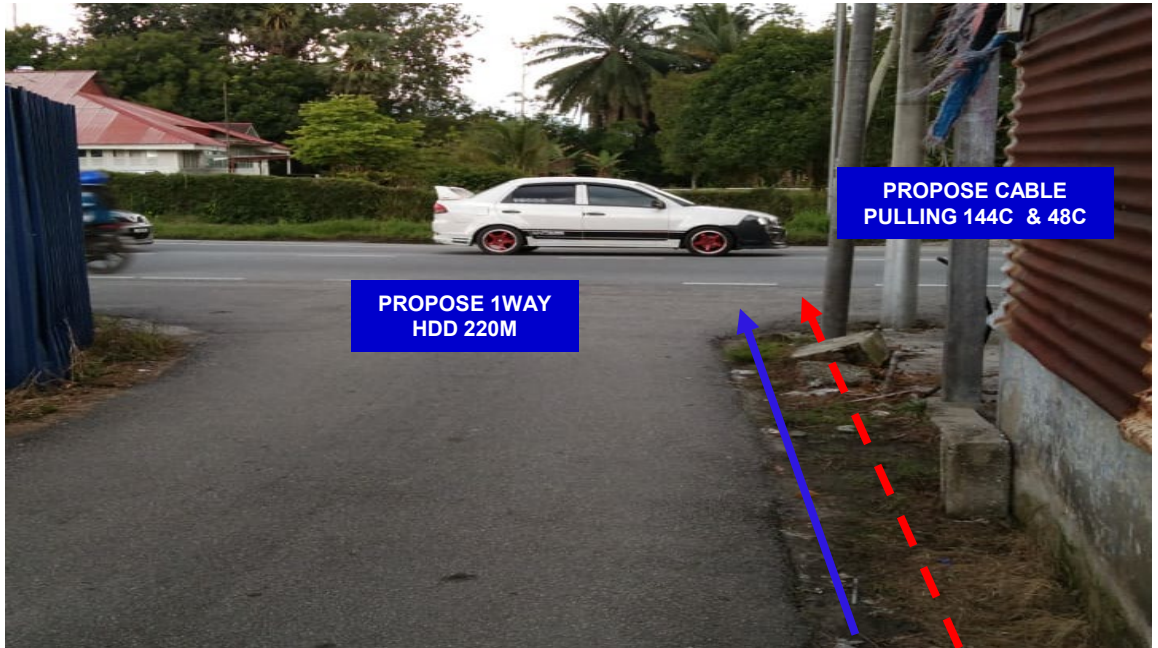
PHOTO 4



LALUAN AMAN 4

Section 5: Outside Plant Site Snapshot

PHOTO 5



LALUAN AMAN 4

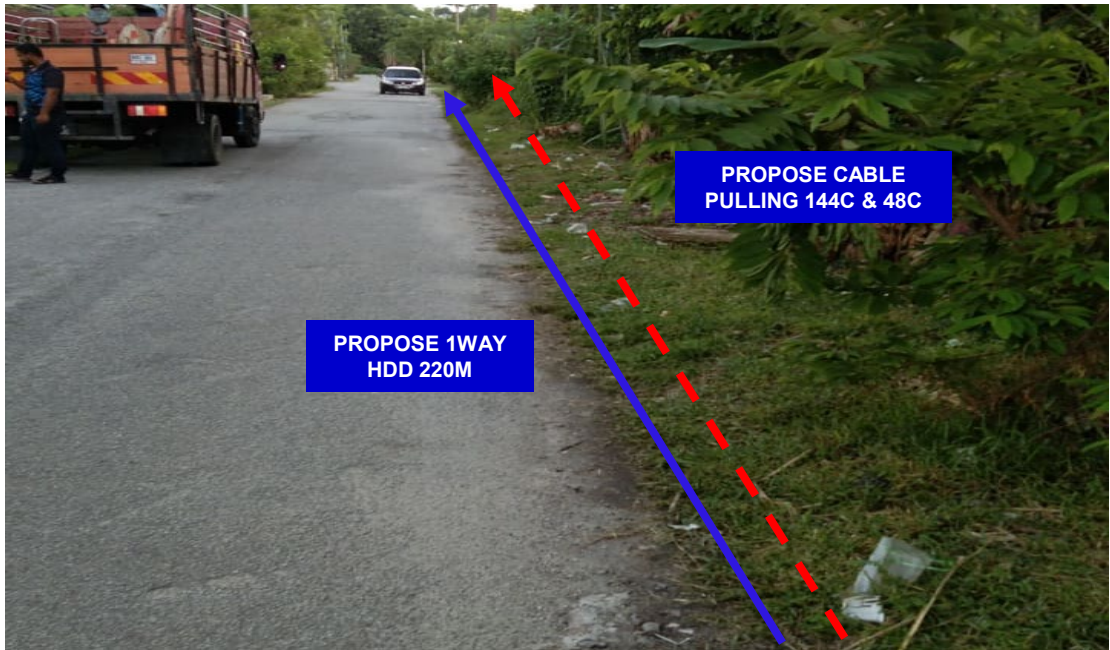
PHOTO 6



A19 JALAN TUN V.T SAMBANTHAN

Section 5: Outside Plant Site Snapshot

PHOTO 7



A19 JALAN TUN V.T SAMBANTHAN

PHOTO 8



A19 JALAN TUN V.T SAMBANTHAN

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								