



TECHNICAL PROPOSAL FOR  
UPGRADING INFRASTRUCTURE FROM OVERHEAD  
TO UNDERGROUND FOR CPCS LINK  
TRONG-KUALA KURAU AREA 4

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## TP CHECKLIST

|    |  | YES | NO | Remarks  |
|----|--|-----|----|----------|
| 1  | TDC existing manhole coordinate  |     | √  |          |
| 2  | Existing premises area manhole coordinate  |     | √  |          |
| 3  | Any Gas pipe signage seen at site? If YES, attach photo.   |     | √  |          |
| 4  | Any TNB cable signage seen at site? If YES, attach photo.  |     | √  |          |
| 5  | Any crossing drainage? If YES, attach photo & width of the drainage.   |     | √  |          |
| 6  | Any INDAH WATER manhole seen at site? If YES, attach photo.  |     | √  |          |
| 7  | Any crossing traffic light? If YES, attach photo & measurement of the traffic light box.   |     | √  |          |
| 8  | Has identified related Local Authority? Kindly indicate.   | √   |    | JKR, MDK |
| 9  | Drawing for outside plant (OSP) survey – Residential area & civil work up to last TIME manhole (.dwg format – autocad & .pdf format) *   | √   |    |          |
| 10 | Prepare the complete 1 copy of Technical Proposal (.pdf format & PowerPoint) – of softcopy – 1 copy  | √   |    |          |
| 11 | Bill of quantity for civil, fibre pulling, splicing & termination.   | √   |    |          |
| 12 | The latitude & longitude of the residential area and last TIME manhole in 6 decimal points (xx.xxxxxx, x.xxxxxx) in TP Location Map.   | √   |    |          |
| 13 | Open up the manhole at any spot of joint/ring cut & provide duct space record for this project (photo required). Please make sure that there is TIME cable in the manhole (photo required). <b>If unable to open up the manhole, photo of manhole surrounding is required.</b> | √   |    |          |
| 14 | Survey Acknowledgement Form signed & attached.   |     |    |          |
| 15 | Others   |     |    |          |

# GENERAL INFORMATION

Prepared by: Harta Unity Sdn. Bhd.

Date of LOI: 28/08/2025

Date of Survey: 03/09/2025

Surveyed by: Mustaqim bin Aziz

Drawing prepared by: Ummu Kalsum binti Zamri

Eng. Person in Charge: Mustaqim bin Aziz

## General Information

|                            |   |
|----------------------------|---|
| Site Name:                 | <b>Proposed upgrade from overhead to underground for CPCS Link<br/>Trong-Kuala Kurau Area 4</b> |
| Full Address:              | NA  |
| Type of Development:       | NA  |
| No. of Unit:               | NA  |
| No. of unit per row/block: |   |
| No. of row/block per Dev.: |   |

## Contact Person

### **Management/Dev Committee**

|                |     |          |     |
|----------------|-----|----------|-----|
| Name:          | N/A | H/P No.: | N/A |
| Designation:   | N/A |          |     |
| Email Address: | N/A |          |     |

### **Maintenance / Security Department**

|                |     |          |     |
|----------------|-----|----------|-----|
| Name:          | N/A | H/P No.: | N/A |
| Designation:   | N/A |          |     |
| Email Address: | N/A |          |     |

## Comments

### For TimeDotComBhd Use Only

Remarks

|   |      |
|---|------|
| <b>Technical Information</b>                                  |      |
| Distance TIME existing manhole to development (first Hub-Box) | NA   |
| MAN to CAN method   | NA   |
| Number of Hub-Box proposed                                    | NA   |
| Number of Sub-Box proposed                                    | NA   |
| Number of End-Box proposed                                    | NA   |
| Number of Sub-Box Port proposed                               | NA   |
| Number of Closure Ringcut proposed                            | 2 pc |
| Number of Distribution Cable proposed:                        |      |
| 1. 50m - OFC-DSC-0050   | NA   |
| 2. 100m - OFC-DSC-0100  | NA   |
| 3. 150m - OFC-DSC-0150  | NA   |
| 4. 200m - OFC-DSC-0200  | NA   |
| 5. 250m - OFC-DSC-0250  | NA   |
| 6. 300m - OFC-DSC-0300  | NA   |
| OLT (Outdoor / Indoor) proposed                               | -    |
| Method of CAN   | -    |
| Method of CAN exit to HomeConnect                             | -    |

| Construction Details     |                 |         |          |
|--------------------------|-----------------|---------|----------|
| Descriptions             | Method          | Unit(s) | Quantity |
| Civil                    | HDD             | meter   | 3350     |
|                          | MCT (GI)        | meter   | -        |
|                          | MCT (HDPE)      | meter   | -        |
|                          | OPCW            | meter   | -        |
|                          | OPCW (MH)       | meter   | -        |
|                          | OPGV            | meter   | -        |
|                          | OPGV (MH)       | meter   | -        |
|                          | Coring Drainage | each    | -        |
| Fiber Pulling            |                 |         |          |
| FOC 144C                 | Manhole         | meter   | 3350     |
|                          | Aerial          | meter   | -        |
| Connector 1C             | Manhole         | meter   | -        |
|                          | Aerial          | meter   | -        |
| Others (Please Specify): |                 |         |          |
| MCT Crossing Road        | GI 50mm         | meter   | -        |
|                          | HDPE 40mm       | meter   | -        |
| OPCW                     | HDPE 40mm       | meter   | -        |
| OPCW (MH)                | GI 100mm        | meter   | -        |
| OPGV                     | HDPE 40mm       | meter   | -        |
| OPGV (MH)                | GI 100m         | meter   | -        |
| Damage Drainage          | GI 50m          | meter   | -        |
| Crossing Bridge          | GI 50m          | meter   | -        |

**Comment:**

For Contractor Use Only:

Based on our detail survey, evaluation study and due diligent conducted, we strongly proposed the above stated technical details to be implemented at this site.

For Client Use Only:

## 1. PROPOSAL FOR NEW FIBER PULLING

### 1.1 Location Map



#### Starting Point

Latitude: 5.001175

Longitude: 100.552375

#### Ending Point

Latitude: 5.007366

Longitude: 100.531761

## 2. APPENDIX A

### 2.1. Product Portfolio

| TIME DOT COM CONNECTIONS FOR COMMERCIAL |  |
|---|--|
| <b>Private Data Network</b>             | <p>Our Virtual Private Network (VPN) is designed to deliver you an efficient, secured and reliable service. We provide point-to-point technology that directly connects you to your clients and employees. We ensure complete privacy and security, while at the same time, maximizing your speed and bandwidth;</p> <ul style="list-style-type: none"> <li>⇒ Channelized Leased Circuit</li> <li>⇒ Ethernet Leased Circuit</li> <li>⇒ International Private Leased</li> <li>⇒ Circuit (IPLC)</li> <li>⇒ Metro LAN</li> <li>⇒ International Ethernet Private Leased Circuit (IEPLC)</li> </ul> |
| <b>Internet</b>                         | <p>TIME Internet services allow you to connect to the world speedily with high scalability, reliability and security. Choose the best solution that suits your need and TIME will take care of the rest;</p> <ul style="list-style-type: none"> <li>⇒ Channelized Leased Circuit</li> <li>⇒ Ethernet Direct</li> <li>⇒ Business Broadband</li> <li>⇒ Satellite Broadband</li> <li>⇒ Home Broadband</li> </ul>  |
| <b>Voice</b>                            | <p>We've got a wide range of services from basic phone line with crystal clear voice quality to our account based postpaid Virtual Call service. We also provide local and international toll-free services, and even business or individual calling cards. With TIME, it's so easy to stay in touch;</p> <ul style="list-style-type: none"> <li>⇒ Business Voice Line</li> <li>⇒ ISDN PRI</li> <li>⇒ International Toll Free</li> <li>⇒ Toll Free 1300</li> <li>⇒ Toll Free 1800</li> <li>⇒ Audio Conferencing</li> <li>⇒ Home Fixed Line</li> </ul>  |
| <b>Managed Services</b>                 | <p>TIME Managed Services deliver end-to-end networking solutions. Focus on your productivity while we provide you with support possible to take your business to the next level;</p> <ul style="list-style-type: none"> <li>⇒ IPVPN</li> <li>⇒ SAN Extension</li> </ul>  |
| <b>Wholesale Service</b>                | <p>We are able to offer you unmatched capacity and network resiliency. We aim to ensure seamless connectivity and high availability, thus maximizing your operational capabilities;</p> <ul style="list-style-type: none"> <li>⇒ Wholesale bandwidth</li> <li>⇒ Wholesale Voice (Transit Premium, Transit CLR)</li> <li>⇒ Cross Peninsular Cable System (CPCS)</li> </ul>  |





PROPOSED SITE PLAN



CONFIDENTIALITY

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- LEGEND
- EXISTING TELE MANHOLE
  - EXISTING MANHOLE
  - PROPOSED MANHOLE JIB1
  - CONDUCTOR PART 1
  - CONDUCTOR PART 2
  - CONDUCTOR PART 3
  - CONDUCTOR PART 4
  - CONDUCTOR PART 5
  - CONDUCTOR PART 6
  - CONDUCTOR PART 7
  - CONDUCTOR PART 8
  - OPT. FIBRE
  - OPTIC-FIBRE
  - PLC

SCHEDULE OF QUANTITY

| SYMBOL | DESCRIPTION             | QTY |
|--------|-------------------------|-----|
| 20/20  | 2 WAY / 4 WAY DUCT      |     |
| G      | GALVANISED IRON DUCT    |     |
| DU     | DUCT RISER              | 2   |
| JIB1   | PROPOSED MANHOLE JIB1   | 13  |
| JIB2   | PROPOSED MANHOLE JIB2   |     |
| JIB3   | PROPOSED MANHOLE JIB3   |     |
| JIB4   | PROPOSED MANHOLE JIB4   |     |
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| JIB99  | PROPOSED MANHOLE JIB99  |     |
| JIB100 | PROPOSED MANHOLE JIB100 |     |

PROJECT TITLE: PROPOSED TO UPGRADE FROM OVERHEAD TO UNDERGROUND INFRASTRUCTURE FOR OPTICAL LINK - RONG - KUALA KURAU (AREA 4)

DRAWING TITLE: PROPOSED TELECOMMUNICATION HIDDEN ROUTE FOR CABLE PULLING 96C OPTICAL LINK - RONG - KUALA KURAU.

DRAWING NO: 0618181818 (061818) 19

SHEET NO: 3 OF 3

DRAWING NO: 0618181818 (061818) 19

DATE: 12-07-20

DESIGNED BY: JUMU

CHECKED BY: JUMU

APPROVED BY: JUMU

**HUSB**

Harta Unity Sdn. Bhd. (614881-P)

No. 67 & 67A, Laluan Meru Perdana 11

31200 Cheras, Perak Darul Ridzuan.

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Tel: +603 5032 6000

Website: www.time.com.my

APPENDIX B

2.3. Site Photo

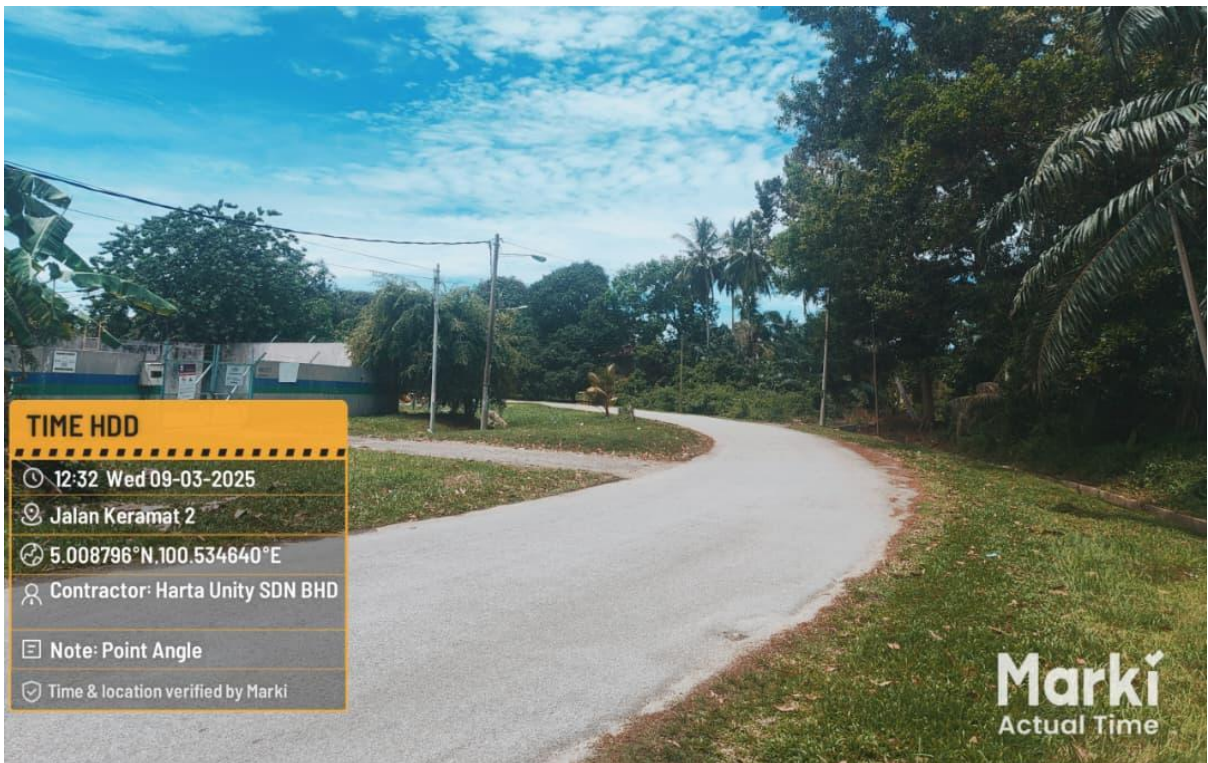


**TIME HDD**

- 🕒 12:22 Wed 09-03-2025
- 📍 297A
- 📐 5.009546°N,100.534865°E
- 👤 Contractor: Harta Unity SDN BHD
- 📄 Note: Point Angle
- ✅ Time & location verified by Marki

Marki  
Actual Time

**JALAN PASAR BAGAN SERAI**



**TIME HDD**

- 🕒 12:32 Wed 09-03-2025
- 📍 Jalan Keramat 2
- 📐 5.008796°N,100.534640°E
- 👤 Contractor: Harta Unity SDN BHD
- 📄 Note: Point Angle
- ✅ Time & location verified by Marki

Marki  
Actual Time

**JALAN KERAMAT 2**



**JALAN TAIPING-BAGAN SERAI**

## 2.4 List of Road

| NO | ROAD NAME                 |
|----|---------------------------|
| 1  | JALAN TAIPING-BAGAN SERAI |
| 2  | JALAN TAMAN KERAMAT INDAH |
| 3  | JALAN PASAR               |

### Contractor Details

Company : Harta Unity Sdn Bhd  
 Address : No. 67 & 67A, Laluan Meru Perdana II,  
 Taman Meru Perdana 2,  
 31200 Chemor, Perak  
 Nama Penyelia Tapak : Abdul Aziz bin Mohd Said  
 No Pendaftaran CIDB : 0120041202-KD100352  
 No Telefon Bimbit : 019-5265696  
 Kelas Kontraktor : G7