

UM5G FDC SGL_F13 NID NGBH - GGOL

Revision Record

Revision No.	Description Of Change	Author	Effective Date
1	<ol style="list-style-type: none">1. Info MainFiber, Permit & IW.2. Additonal Picture of building & picture every Manhoe	ALIF JAZLI	DEC 2025

Technical Proposal for TM Project



Project Description:	UM5G FDC SGL_F13 NID NGBH - GGOL
Project Number:	TMNA/253339
TM Node	SGL
Region	NORTHERN
SITE ID	GGOL
RFSI Date	31 JULY 2026
GPS Coordinate	4.962966,100.653111
Main Fiber Info	F_13
Required Permit OSA	No
Landowner permit/issue	YES
Required IW	No
Floor Involved for IW	NO

Prepared by:	ALIF JAZLI
Company Name:	PROSERINS TECHNOLOGY SDN. BHD.
Date:	18/4/2026
TP Revision:	1

MATRIX REQUIREMENT FOR PROJECT

NO	Item	Detail Item	Remark	TP Check list					
				FTTH >1 DP	FTTH 1 FDP	Add DP / Tie DP	NID/5G	Civil	Main FOC
1	Cabinet location	Boundary	Polygon on Map showing area covered by FDC	C	C	NR	NR	NR	NR
		Detail Illustration	Illustration showing FDP location on picture, table with detail address, latlong	C	C	C	C	NR	NR
2	Cable Plan	On Map	Cable Plan, ID, Distance, Route, Distance, Joint Location illustration on map	C	C	C	C	NR	C
		SLD	Cable Plan	C	NR	NR	NR	NR	NR
3	FDP	Detail FDP/Tie DP	Table with FDP & Tie DP Detail	C	C	C	NR	NR	NR
		FDP, Tie DP Boundary	Polygon on Map for landed or Building image for Highrise showing area covered by each FDP	C	C	C	NR	NR	NR
4	Pole	Plan	Location and quantity on Map	C	C	C	C	C	C
		Illustration	Illustration showing Pole location on picture, table with detail pole type, latlong	C	C	C	C	C	C
5	Civil	Plan	Location and quantity on Map	C	C	C	C	C	C
		Illustration	Illustration showing civil location on picture, table with detail address, latlong	C	C	C	C	C	C
		Civil Manhole Detail	Table with Manhole Detail	C	C	C	C	C	C
6	BOQ & BOM	Detail BOQ	Detail PU item related to project. Show – PU number, quantity and costDetail	C	C	C	C	C	C
		Detail BOM*	Material related to project	C	C	C	C	C	C
7	Costing		Overall cost	C	C	C	C	C	C

*CNC Lite only

Checklist for 5G project

NO			DETAIL	TICK IF REQUIRED
1	5G Cabinet Location	1.1	5G Cabinet Map Location	/
		1.2	5G Cabinet Details and Illustration	/
2	Fiber Route Information	2.1	Detail Fiber Route to the site	/
4	New Pole & Civil information	4.1	Pole plan (new pole)	/
		4.2	Pole details	
5	New Civil	5.1	Civil Plan	
		5.2	Civil Illustration	
		5.3	Civil Manhole Detail	
6	BOQ & BOM	6.1	Project BOQ	/
		6.2	Detail BOM	/
7	Costing	7.1	Overall Costing	/
8	PO VO	8.1	Plan	
		8.2	Costing	
		8.3	SI FORM	

1.1 5G Cabinet Map Location



Legend:  5G Cabinet Location

1.2 5G Cabinet Details and Illustration

No	Info	Road/Location	Type	Lat/Long
1	5G CABINET	KAMPUNG GUNONG SEMANGGOL, 34400 SIMPANG EMPAT SEMANGGOL PERAK	TOWER/CABINET	4.962966,100.653111

Propose Location



NOTE :

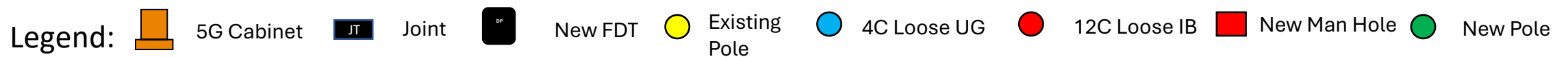
Semasa Survey 1/12/2025, Kabinet UM5G GGOL belum tersedia. Kabinet yang ada di Site adalah Kabinet yang lama.

Legend:

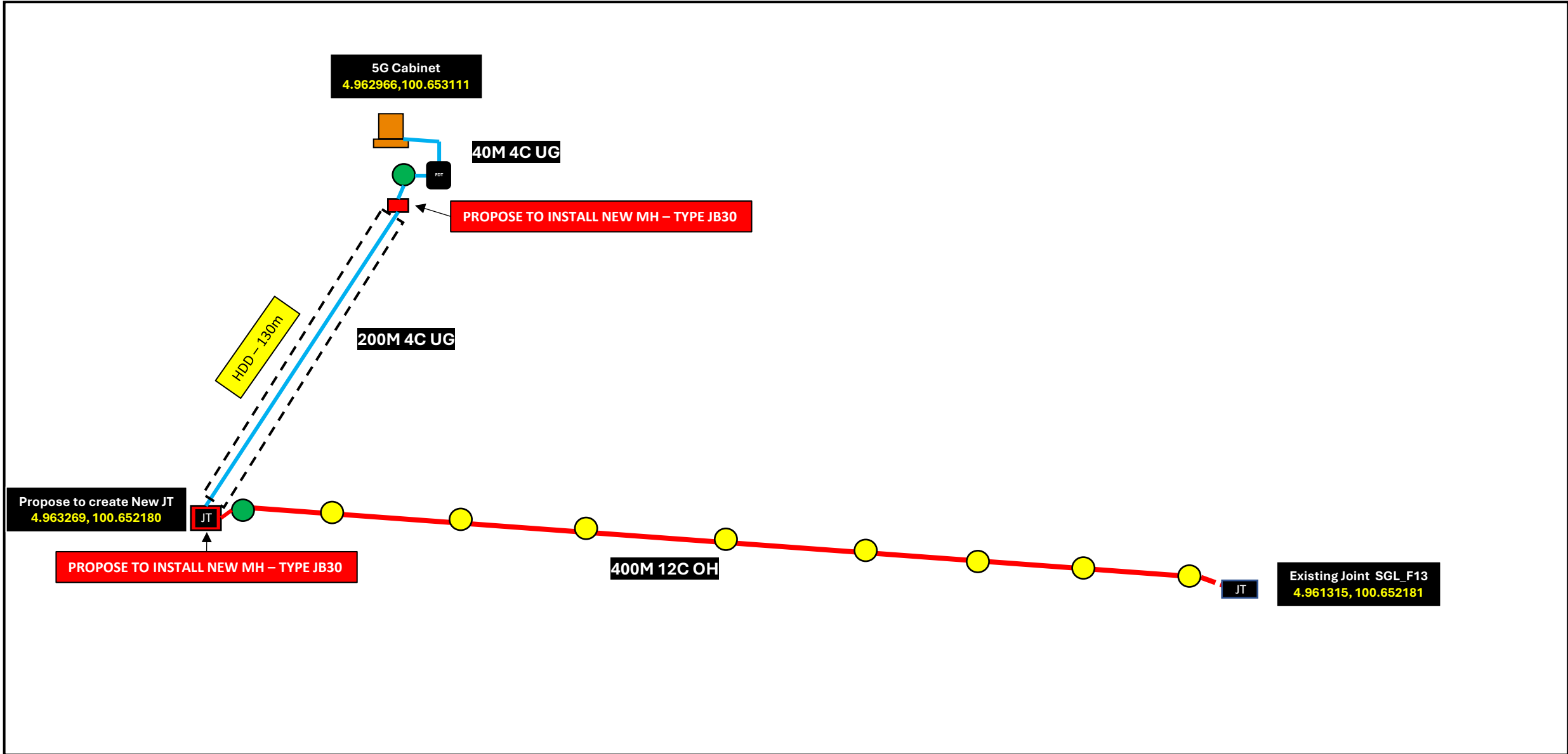










5G Cabinet Location

2.1 Details Fiber Route To The Site



2.1 Details Fiber Route To The Site - SLD



- Legend:
-  5G Cabinet
 -  Joint
 -  New FDT
 -  Existing Pole
 -  4C Loose UG
 -  12C Loose IB
 -  New Man Hole
 -  New Pole

2.1

Detail Fiber Route to the site



5G Cabinet



Joint



New FDT



Tower



4C Loose UG

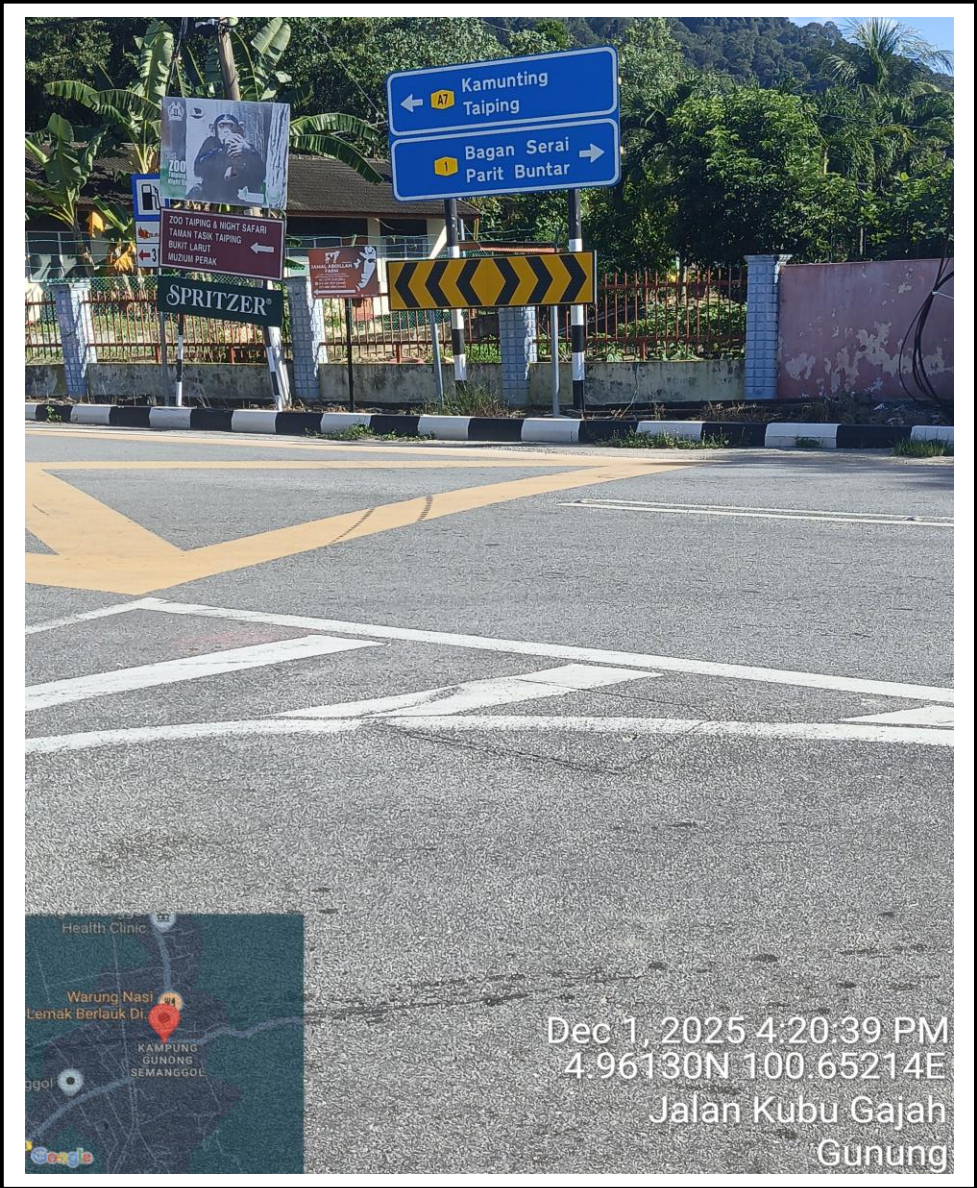


12C Loose IB



Man Hole

MAINHOLE CUT/REMOVE ASPHALT











4.961315, 100.652181



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3.1 New Pole Plan

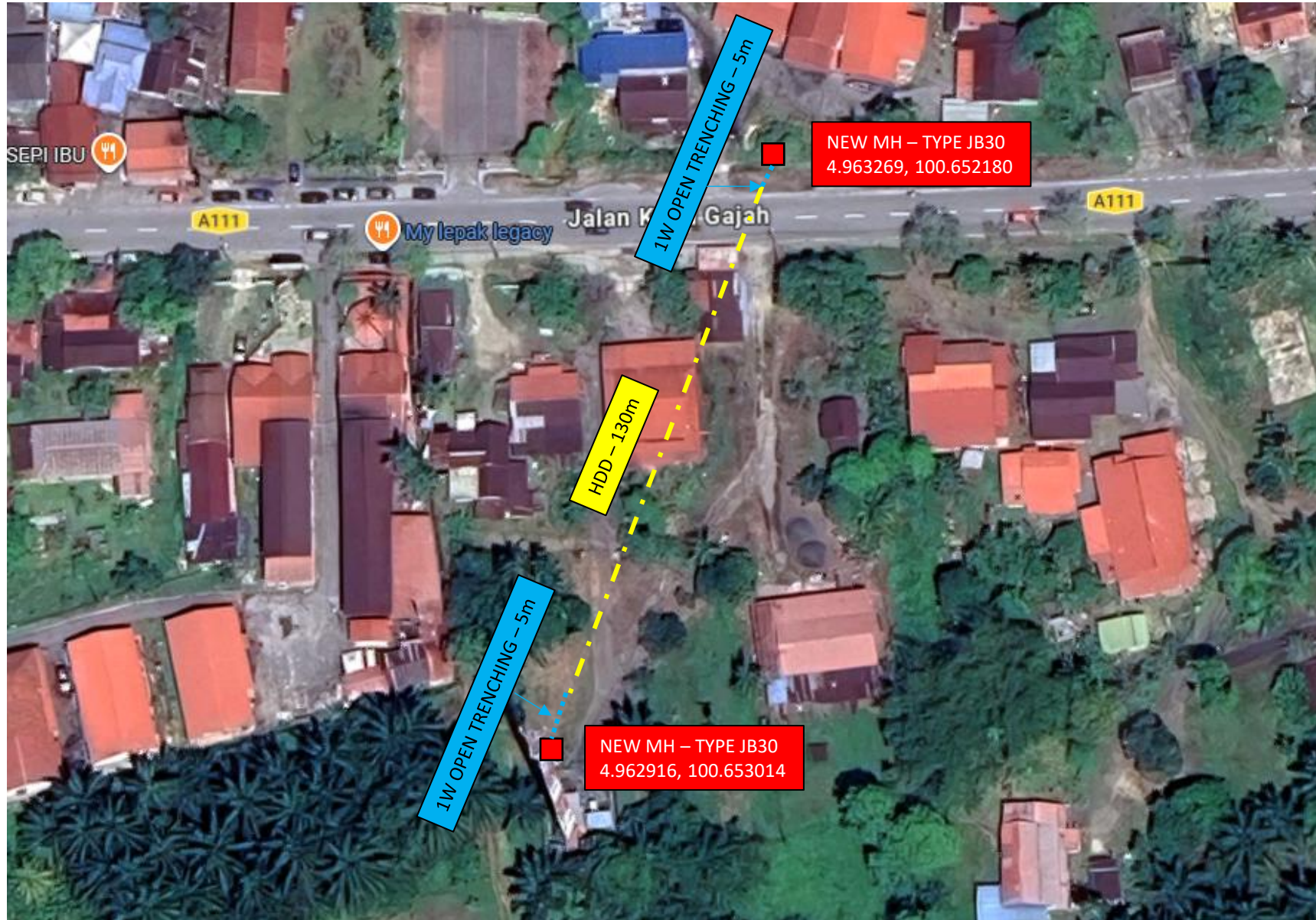


Legend:  5G Cabinet  Joint  New FDT  Existing Pole  12C Loose UG  12C Loose IB  Man Hole  New Pole

New Pole illustration



3.4 New Civil – DSGN S/I/1- WAY HDPE DUCT PN10



Legend: EXT MH NEW MH

3.5 New Civil details

NO	INFO	Details	Remark
1	Method	HDD	
2	Number Of Ways	1	
3	Total Distance	120m	
4	Entrance manhole Coordinate	Jalan Kubu Gajah, Kampung Gunung Semanggol,34400 Simpang Empat Semanggol, Perak	4.963269, 100.652180
5	Exit Manhole Coordinate	Jalan Kubu Gajah, Kampung Gunung Semanggol,34400 Simpang Empat Semanggol, Perak	4.962916, 100.653014

4.1

BIL OF QUANTITY – BOQ

Contract NO	3400049581
Vendor No	1013314
Project No	TMNA/253339
Region	NORTHERN
Exchange	SGL
BOQ Date	18 APRIL 2026
LOR ID	PRK-PST-2544711-TP



No	PU ID	PU DESC	RATE	REQ QUANTITY	TOTAL(RM)
1	600010	COMMERCIAL S/I FOC 4C UG(ORI MAX)	6.89	240	1,653.00
2	908098	COMMERCIAL S/I FOC 12C OH (ORI MAX)	10.53	400	4,212.00
3	908144	S/I CONCRETE POLE (UP TO 4 POLES) (ORI MAX)	673.38	2	1,346.76
4	908199	DSGN/S/I/1-WAY HDPE DUCT PN10	169.79	130	22,072.70
5	908137	S/I 1 WAY OPEN TRENCHING (ORI MAX)	44.39	30	1,331.70
6	108269	CUT/REMOVE ASPHALT/CON SURFACE 750mm WID	25.83	1	25.83
7	108272	50MM THICK ACWC ROAD PAVEMENT	42.91	1	42.91
8	108389	INS MANHOLE PRE-FAB JB30	318.83	2	637.66
			MATERIAL MANAGEMENT FEE		384.48
			SST 6%		1,902.45
TOTAL COST					33,610.09

4.2 BOM PRK-PST-2544711-TP (UM5G GGOL)

No	Items	Unit	Quantity
1	FIBER DP AERIAL CW SP 1X1:8	PCS	1
2	CABLE OFC 12C LOOSE IB	M	400
3	CABLE OFC 4C LOOSE U/G	M	240
4	PLATE PVC B SUBDUCT (40MM)	PCS	2
5	END CAP SUBDUCT (40MM)	PCS	6
6	SUBDUCT CORRUGATED HDPE (40MM)	M	400
7	RING O SUBDUCT (40MM)	PCS	6
8	CHAMBER M/HOLE PRE-FAB JB30 COMPLETE	EA	2
9	CLAMP IB NO.2	EA	4
10	HOOK CLAMP IB NO.2A	EA	4
11	POLE CONCRETE 7.5M	EA	2
12	CLAMP POLE CONCRETE	EA	15
13	TIE CABLE STAINLESS STEEL 7MM X 335 MM (aka JUBLEE CLIP)	EA	4
14	TIE CABLE STAINLESS STEEL 7MM x 490MM	EA	16
15	GRIP PREFORMED 7/1.6MM	EA	15
16	THIMBLE OPEN SMALL	EA	15
17	PIPE GI 50MM X 4M C/W COUPLING	PCS	2
18	BOX PANEL DISTRIBUTION PANEL 12C	EA	1
19	CLOSURE JOINTING OFC 12C U/G	EA	1

END OF TECHNICAL PROPOSAL