

SRR FTTH SRL_C005 TAMAN KAMUNTING PELANGI

Revision Record

Revision No.	Description Of Change	Author	Effective Date
0	New Document	1. Haziq Khalid	July 2022

Technical Proposal for TM Project



Project Description:	SRR FTTH SRL_C005 TAMAN KAMUNTING PELANGI
Project Number:	TMNA/261230
TM Node	SRL (SG RELONG)
Region	Northern
NE ID	SRL_C005
Total FTTH Ports	104
Total Property	142
PF (%)	73%
RFSI Date	31 JULY 2026
GPS Coordinate	4.918236, 100.723594

Prepared by:	MUHD ALIF JAZLI BIN JOHARI
Company Name:	PROSERINS TECHNOLOGY SDN BHD
Date:	3 MAC 2026
TP Revision:	0

Contents

- 1.0 **FDC information**
 - 1.1 FDC Boundary
 - 1.2 FDC Details and Illustration

- 2.0 **FDP information**
 - 2.1 FDP and FOOSC Location
 - 2.2 FDP Boundary
 - 2.3 Cable Plan
 - 2.4 Spur Information
 - 2.5 FDP details
 - 2.6 Tie FDP details

- 3.0 **New Pole information**
 - 3.1 Pole plan
 - 3.2 Pole details
 - 3.3 Illustration

- 4.0 **Material Specification**
 - 4.1 Fiber Accessories - FDC/Mini FDC/FDP/ODF
 - 4.2 Civil Accessories – Manhole/Pole

- 5.0 **Costing & BOQ**
 - 5.1 Project BOQ
 - 5.2 Costing

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

1.1 FDC Location & Boundary



Legend:



FDC

2.1

FDP and FOSC Location Plan



Legend:  FDP  FOSC  NEW POLE  EXT MH

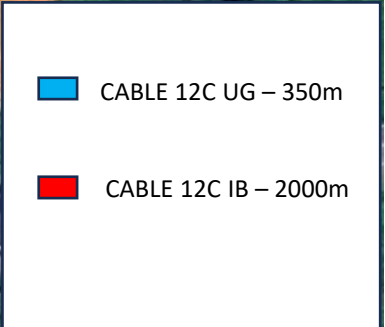
2.2

FDP Boundary



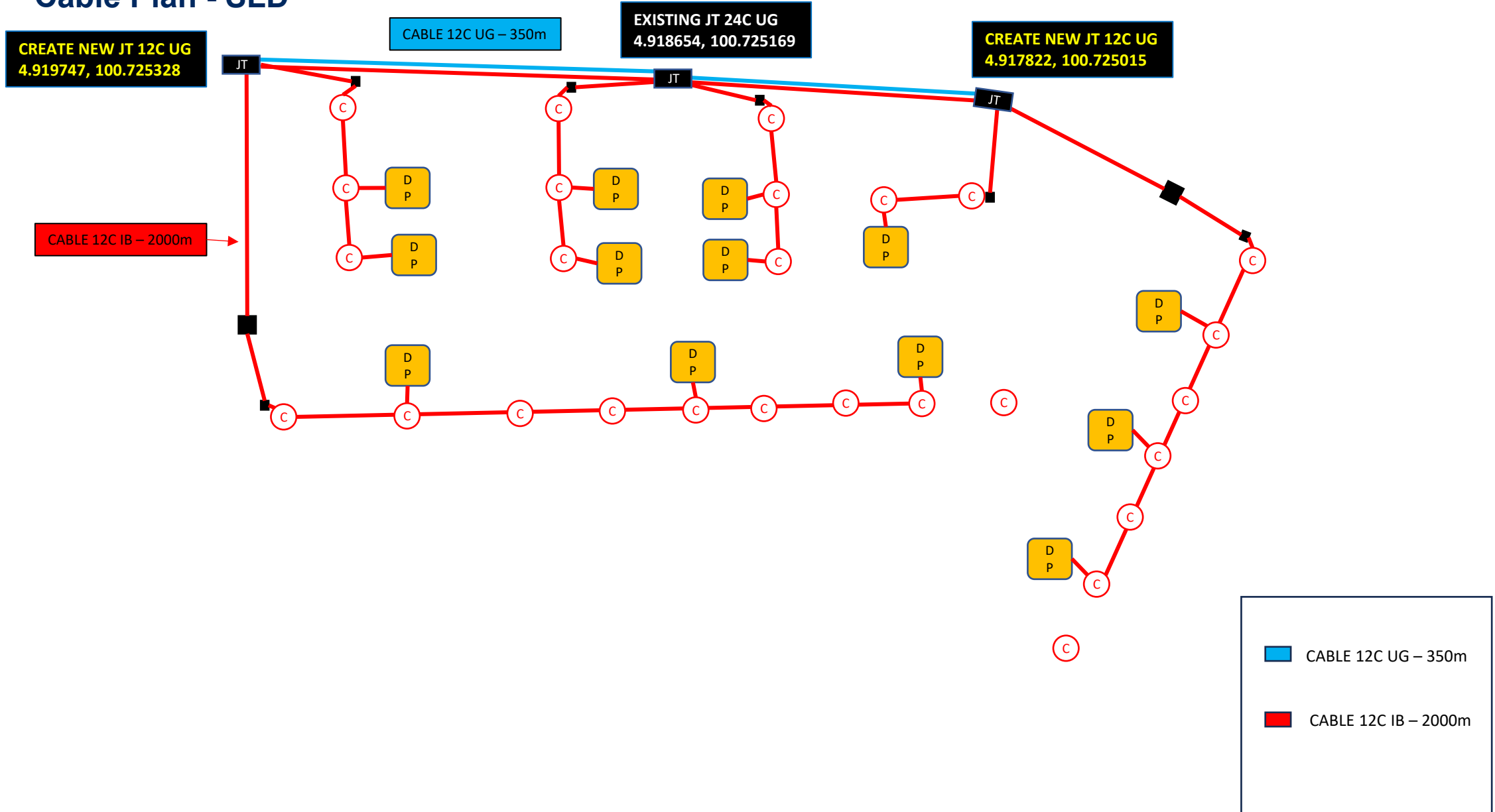
Legend:  FDP  FOSC  NEW POLE  EXT MH

2.3 Cable Plan



2.3

Cable Plan - SLD



Legend:  FDP  FOSC  NEW POLE  EXT MH

2.5 FDP Details – Normal Project

No	Info	Type	Road/Location	Ports	Properties Covered	Remark
1	DP00**	ON POLE	Belakang Rumah antara No 5 & 7, Jalan KP 2, Taman Kamunting Pelangi, 34600 Kamunting, Perak.	8	11	Jalan KP 2
2	DP00**	ON POLE	Belakang Rumah antara No 21 & 23, Jalan KP 2, Taman Kamunting Pelangi, 34600 Kamunting, Perak.	8	10	Jalan KP 2
3	DP00**	ON POLE	Belakang Rumah antara No 35 & 37, Jalan KP 2, Taman Kamunting Pelangi, 34600 Kamunting, Perak.	8	10	Jalan KP 2
4	DP00**	ON POLE	Belakang Rumah antara No 10 & 12, Jalan KP 7, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	8	Jalan KP 7
5	DP00**	ON POLE	Belakang Rumah antara No 3 & 5, Jalan KP 6, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	8	Jalan KP 6
6	DP00**	ON POLE	Belakang Rumah antara No 9 & 11, Jalan KP 6, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	9	Jalan KP 6
7	DP00**	ON POLE	Belakang Rumah antara No 3 & 5, Jalan KP 8, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	7	Jalan KP 8
8	DP00**	ON POLE	Belakang Rumah antara No 11 & 13, Jalan KP 6, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	8	Jalan KP 8
9	DP00**	ON POLE	Belakang Rumah antara No 3 & 5, Jalan KP 4, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	9	Jalan KP 4
10	DP00**	ON POLE	Belakang Rumah antara No 13 & 15, Jalan KP 4, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	9	Jalan KP 4
11	DP00**	ON POLE	Belakang Rumah antara No 8 & 10, Jalan KP 5, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	21	Jalan KP 5
12	DP00**	ON POLE	Belakang Rumah antara No 28 & 30, Jalan KP 5 Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	21	Jalan KP 5
13	DP00**	ON POLE	Belakang Rumah antara No 54 & 56, Jalan KP 5, Taman Kamunting Pelangi, 34600 Kamunting, Perak	8	21	Jalan KP 5

3.1 New Pole Plan



Legend: (C) NEW POLE

3.2 New Pole details

No	POLE ID	Pole Type	GPS Coordinate
1	1	Concrete Pole 7.5m	4.917792°100.723441°
2	2	Concrete Pole 7.5m	4.917703°100.723607°
3	3	Concrete Pole 7.5m	4.917605°100.723784°
4	4	Concrete Pole 7.5m	4.917523°100.723921°
5	5	Concrete Pole 7.5m	4.917435°100.724104°
6	6	Concrete Pole 7.5m	4.917328°100.724298°
7	7	Concrete Pole 7.5m	4.917216°100.724509°
8	8	Concrete Pole 7.5m	4.917891°100.724743°
9	9	Concrete Pole 7.5m	4.918125°100.724756°
10	10	Concrete Pole 7.5m	4.918421°100.724635°
11	11	Concrete Pole 7.5m	4.918411°100.724791°
12	12	Concrete Pole 7.5m	4.918398°100.725029°
13	13	Concrete Pole 7.5m	4.918965°100.724721°
14	14	Concrete Pole 7.5m	4.918953°100.724900°
15	15	Concrete Pole 7.5m	4.918939°100.725138°
16	16	Concrete Pole 7.5m	4.919515°100.724761°
17	17	Concrete Pole 7.5m	4.919495°100.724957°
18	18	Concrete Pole 7.5m	4.919481°100.725219°

3.3 New Pole Illustration



3.3 New Pole Illustration



4.1 BIL OF QUANTITY - BOQ



Contract NO	3400049581
Vendor No	1013314
Project No	TMNA/261230
Region	NORTHERN
Exchange	SRL
BOQ Date	3 MAC 2026
LOR ID	PRK-PST-2607395-TP

No	PU ID	PU DESC	RATE	REQ QUANTITY	TOTAL(RM)
1	908045	CPP SURU UP TO 152 PORTS (ORI MAX)	464.00	104	48,256.00
2	908143	S/I CONCRETE POLE (>4POLES) (ORI MAX)	480.28	23	11,046.44
3	908144	S/I CONCRETE (UP TO 4 POLES) (ORI MAX)	673.38	4	2,693.52
			MATERIAL MANAGEMENT FEE		2,789.82
			SST 6%		3,887.14
TOTAL COST					68,672.92

BOQ Prepared by:	MUHD ALIF JAZLI BIN JOHARI
Company Name:	PROSERINS TECHNOLOGY SDN. BHD
Date:	3/3/2026
BOQ Revision:	0

4.2

BOM - PRK-PST-2607395-TP SRR FTTH SRL_C005 TAMAN KAMUNTING PELANGI

No	Items	Unit	Quantity
1	CABLE OFC 12C LOOSE IB	M	2000
2	CABLE OFC 12C LOOSE UG	M	350
3	CLOSURE JOINTING OFC 12C UG	PCS	2
4	FIBER DP AERIAL CW SP 1 X 1:8	PCS	13
5	SUBDUCT CORRUGATED HDPE (40MM)	M	1000
6	RING 0 SUBDUCT (40MM)	PCS	30
7	PLATE PVC B SUBDUCT	PCS	10
8	CLAMP IB NO 2	EA	5
9	HOOK CLAMP IB NO 2A	EA	5
10	POLE CONCRETE 7.5M	EA	27
11	CLAMP POLE-HEAD RING (CONCRETE)	EA	21
12	CLAMP POLE CONCRETE	EA	35
13	TIE CABLE STAINLESS STEEL 7MMX335MM	EA	28
14	TIE CABLE STAINLESS STEEL 7MMX490MM	EA	58
15	GRIP PREFORMED 7/1.6	EA	30
16	THIMBLE OPEN SMALL	PCS	30
17	STAY ROD 16MM	EA	5
18	STAY PLATE	EA	5
19	PIPE GI 50MM X 4M C/W COUPLING	PCS	6

END OF TECHNICAL PROPOSAL