

**TECHNICAL PROPOSAL FOR FIBER INFRASTRUCTURE AND OPTICAL FIBER CABLE
FROM
POP 2 ABB2098 (Sekolah Kebangsaan ST. Paul) to Premises Pass Area**

No	Site	Home pass (unit)
1	Tanjung Tualang	128
	Total PP	128

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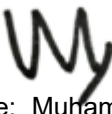

CONTRACTOR	ALLO	KACP
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Designation: Planner	Designation: Project Engineer	Designation:
Date: 04th. July 2024	Date:	Date:

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No	Item	Include Please Tick (✓)	Remarks If Any
1.0	Objective	✓	
2.0	Detail POP Locations/Sites Information	✓	
3.0	Fiber Optic infrastructure coverage development plan	✓	
4.0	Site Plan (SLD, propose locations OLT, FDC, FDP & Closure)	✓	
5.0	Construction Drawing	✓	
6.0	Summary of new infrastructure	✓	
7.0	Detail routing information (fiber optic infrastructure propose implementation)	✓	
8.0	Premises pass detail address according to Fiber Distribution Point (FDP) locations	✓	
9.0	Soft copy KMZ/KML files and follow all point/lines guideline (review in Google Earth)	✓	
10.0	Soft copy AutoCAD drawing for Local Authority submission	✓	
11.0	Detail Bill of Material/ Bill of Quantity	✓	
12.0	Survey references	✓	

1.0 OBJECTIVE

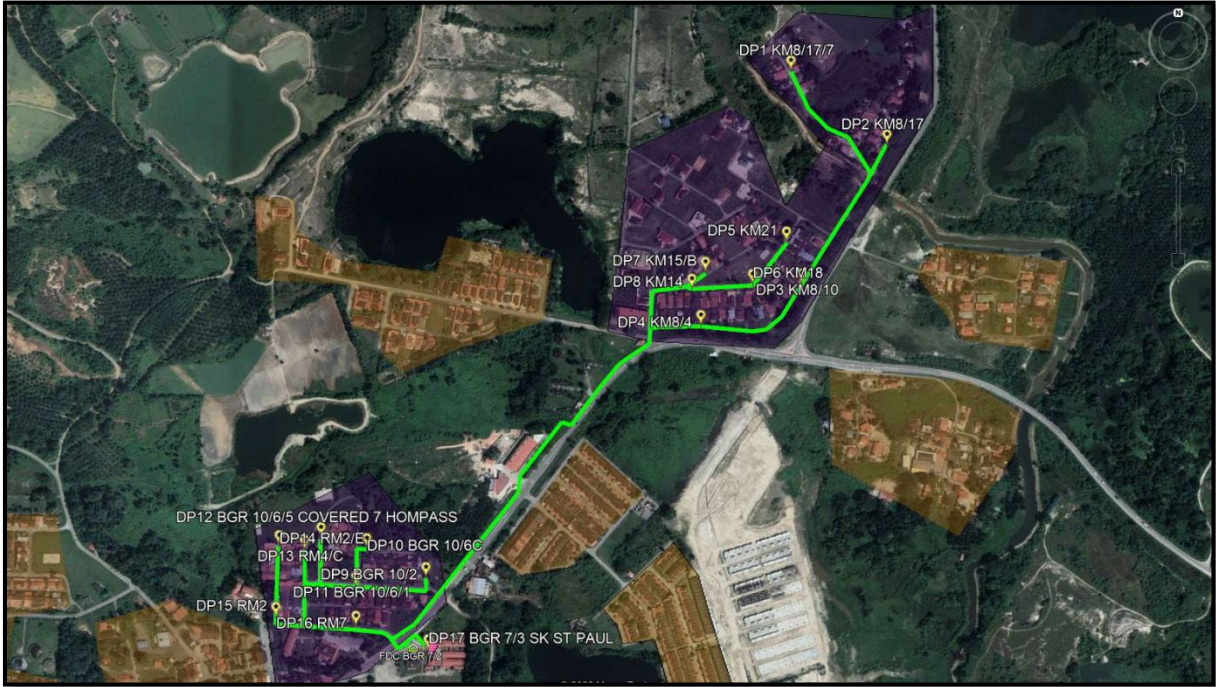
To provide retail broadband services (speed up to 1Gbps) within the schools and the surrounding area (radius 2.5 km) i.e., such as schools surrounding the POP, government buildings & agencies, residential area, industrial area, commercial area, public buildings and premises at **Sekolah Kebangsaan ST. Paul**

2.0 DETAIL POP LOCATIONS / SITE INFORMATION

Details of Site Information as per below:

No.	Link Node & Address		Code Location	Latitude	Longitude
1	PMU Kampar (KMPR) Address: Jalan Industri, 31900, Kampar, Perak.	POI	KMPR	4.319049°	101.138405°
2	Sekolah Kebangsaan St. Paul Address: 31800 Tanjung Tualang, Perak.	POP	ABD2098	4.326779°	101.058505°

3.0 PROPOSE DESIGN / DP DISTRIBUTION



4.0 SITE PLAN

Single Line Drawing (SLD)- Refer attachment.

5.0 CONSTRUCTION DRAWING

Construction drawing – Refer site attachment.

6.0 SUMMARY OF NEW INFRASTRUCTURE

No	Infra type	unit	Distance (m)
1	Total TNB Poles	108	NA
2	Total Distance TNB Poles	NA	NA
3	New poles (7.5M)	17	NA
4	New poles (9M)	0	NA
5	Total Distance HDD	NA	NA
6	Total Distance open cut	NA	NA
7	Total Distance Micro trench	NA	NA
8	Total FDP	17	NA
9	Total Closure	9	NA
10	Manhole	0	NA

*Note: Total Distance Fibre Per Drum 2km

7.0 PREMISES PASS DETAILS ADDRESS ACCORDING TO FIBER DISTRIBUTION POINT (FDP) LOCATIONS

No.	Building Type	House No.	Street Type	Street Name	Land District	Postcode	City	State	FDP No	Fdc No
1	House	1	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
2	House	2	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
3	House	3	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
4	House	4	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
5	House	5	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
6	House	6	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
7	House	7	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
8	House	8	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP01	FDC01
9	House	9	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
10	House	10	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
11	House	11	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01

12	House	12	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
13	House	13	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
14	House	14	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
15	House	15	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
16	House	16	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP02	FDC01
17	House	72737	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
18	House	72738	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
19	House	72739	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
20	House	72740	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
21	House	72741	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
22	House	72736	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
23	House	73620	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01

24	House	73621	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP03	FDC01
25	House	73622	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
26	House	72745	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
27	House	72746	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
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30	House	72749	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
31	House	72750	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
32	House	72751	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP04	FDC01
33	House	73623	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP05	FDC01
34	House	72710	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP05	FDC01
35	House	72709	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP05	FDC01

36	House	73617	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP05	FDC01
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41	House	72719	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP06	FDC01
42	House	72720	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP06	FDC01
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47	House	72725	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP06	FDC01

48	House	72726	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP06	FDC01
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126	House	276	Jalan	Jalan Tanjung Tualang	Taman Senawi	31800	Kampar	Perak	DP16	FDC01
127	House	293	Jalan	Jalan Tanjung Tualang	Taman Senawi	31800	Kampar	Perak	DP16	FDC01
128	School	Sekolah Kebangsaan ST. Paul	Jalan	Jalan Tanjung Tualang	Tanjung Tualang	31800	Kampar	Perak	DP17	FDC01

8.0 SOFTCOPY KMZ/KML FILES AND FOLLOW ALL POINT/LINES GUIDELINES (REVIEW IN GOOGLE EARTH, KMZ guideline:

- Refer attachment.

9.0 SOFTCOPY AUTOCAD DRAWING FOR LOCAL AUTHORITY SUBMISSION

- Refer attachment.

10.0 SUMMARY MATERIAL/BILL OF QUANTITY

	OUM	Total Quantity
D-side		
New Pole 7.5m	Unit	17
New Pole 9m	Unit	0
Existing TNB Pole	Unit	108
Manhole JRC7	Unit	0
FDP	Unit	17
FDC	Unit	1
Closure	Unit	9
FOC 24C	mtr	3400
FOC 48C	mtr	N/A
FOC 96C	mtr	N/A
FOC 144C	mtr	N/A
Tension Set (Clamp)	each	108
Suspension Set	each	209
Pole Ring	unit	17
Stay wire	N/A	N/A
GI Pipe (100mm)	Mtr	N/A
HDD	N/A	N/A
Pole Extender	N/A	N/A
Open Cut	N/A	N/A
Micro Trenching	N/A	N/A

11.0 SURVEY REFERENCES

- i. Site Survey Findings
 - Refer survey report document no. **POP2-ALLO-NR-REP-0554**
- ii. List local council and local authority

No	Local Council/ Authority	Remark
1	Majlis Daerah Kampar	
3	JKR Daerah Kampar	