



TAKLIMAT TENDER

KERJA-KERJA MEMBEKAL, MEMASANG,
MENGUJI TERIMA, MENTAULIAH DAN
MENYELENGGARA INFRASTRUKTUR SISTEM
WI-FI DI TEMPAT TUMPUAN AWAM
PUTRAJAYA

(NO TENDER : PPJ/JK/T/20/2020)

(TEKNIKAL)



TENDER SUBMISSION CHECKLIST (TECHNICAL)

A. MANDATORY SPECIFICATION –

- FORM 1 – Schedule of Technical Specification Compliance (Mandatory)

B. GENERAL SPECIFICATION –

- FORM 2 – Schedule of Technical Specification Compliance (Proposal)
- FORM 3 – Technical Proposal
- Perfect Binding

**** The tenderer SHALL NOT INDICATE in any form of his company in any documents of this part submitted for this tender**



SCOPE OF WORK

1. Design, Supply, Install, Testing and Commissioning Twelve (12) units Outdoor Access Point c/w all related accessories required.
2. Design, Supply, Install, Testing and Commissioning Twenty-Four (24) units Outdoor Back Haul Wireless Bridge/Router Point to Point c/w all related accessories required.
3. Supply, Install, Testing and Commissioning Eleven (11) unit WIFI Pole 8 meters with precast, earthing system, lightning arrestor c/w related accessories.
4. Supply Design, Install, Testing and Commissioning Three (3) Solar Panel System and Box Enclosure c/w all related accessories at selected location.
5. Supply and Install Fifteen (15) Bracket for Back Haul Wireless Bridge/Router at the building.
6. Supply, Install, Testing and Commissioning One (1) Network Wireless Controller for Back Haul WIFI System.
7. Supply, Install, Testing and Commissioning two (2) Wireless Network Monitoring System for Outdoor Back Haul WIFI System in virtual server.



SCOPE OF WORK (cont.)

8. Integration with existing Outdoor Access Point Controller.

9. Electrical, Civil Work and Network Cabling. (Detail in BQ)

10. Monitoring, Preventive Maintenance and Corrective Work During Warranty Period for 24 Months.

11. Provide Technical Training.

12. Provide Testing Equipment for Wireless Testing.

13. Provisional SUM on Electrical Work and Civil Work



PROPOSED WIFI LOCATION

1.The Successful Contractor shall install the WIFI System as following : -

No.	Location Site	To Location Nearest MMG
1	Taman Saujana Hijau	Pusat Pembelajaran dan Kejuranan Presint 11
2	Taman Putra Perdana	MMG C2
3	Dataran Putrajaya	Kompleks PPj
4	Food Truck@ Presint 2	MMG Monument Presint 2
5	Promenade 3, Presint 2	MMG Monument Presint 2
6	Dataran Gemilang	MMG P4 Outdoor
7	Dataran Wawasan	MMG P2 Outdoor
8	Promenade 1, Presint 4	Menara Tinjau Kompleks Sukan Air Presint 6
9	Promenade 2 ,Presint 4	Menara Tinjau Kompleks Sukan Air Presint 6
10	Food Truck@ Presint 14	VIC Presint 14



EQUIPMENT LIST

Table 1: Equipment list.

No.	Location	To Location	Item						
			AP	Backhaul	Pole	Solar Panel	Bracket	Network Wireless Controller (Backhaul WIFI)	Wireless Network Monitoring System (Backhaul WIFI)
1	Taman Saujana Hijau	Pusat Kejiranan Presint 11	2	4	2	2	2	-	-
2	Taman Putra Perdana	MMG C2	1	2	1	1	1	-	-
3	Dataran Putrajaya	Kompleks PPj	2	4	-	-	6	-	-
4	Food Truck@P2	MMG Monument P2	1	2	1	-	1	-	-
5	Promenade 3	MMG Monument P2	1	2	1	-	1	-	-
6	Dataran Gemilang	MMG P4 Outdoor	1	2	2	-	-	-	-
7	Dataran Wawasan	MMG P2 Outdoor	1	2	1	-	1	-	-
8	Promenade 1, Presint 4	Menara Tinjau Kompleks Sukan Air Presint 6	1	2	1	-	1	-	-
9	Promenade 2, Presint 4	Menara Tinjau Kompleks Sukan Air Presint 6	1	2	1	-	1	-	-
10	Food Truck@ P14	VIC Presint 14	1	2	1	-	1	-	-
11	Server Farm Presint 3	-	-	-	-	-	-	1	1
12	DRC Presint 15								1
Total			12	24	11	3	15	1	2



TECHNICAL PROPOSAL



The tenderer should propose technical proposal document which comprise of the following items:



a. Propose writing the System Detail Design and meet the minimum technical specification as Volume 1 Part 2 Section A Scope of Works, Volume 1 Part 3 Section B Form 1 ,Schedule of Technical Specification Compliance (Mandatory) and Volume 1 Part 3 Sections C Form 2 - Schedule of Technical Specification Compliance (Compliance Proposal).



b. Integration of Outdoor Access Point with Existing Wireless Network Controller



c. Cadangan Monitoring, Corrective Work dan Preventive Maintenance



d. Training Proposal



LOGICAL NETWORK CONNECTIVITY DIAGRAM

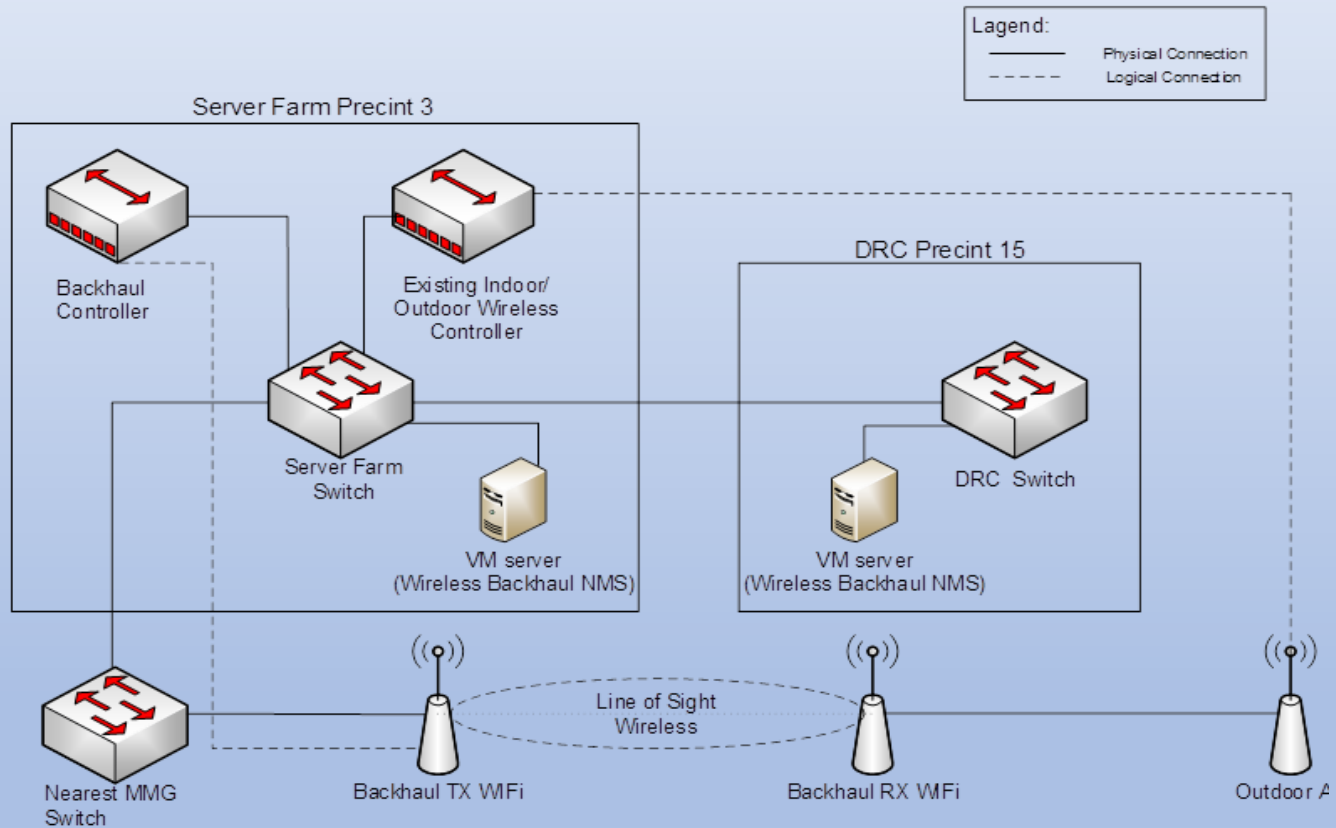
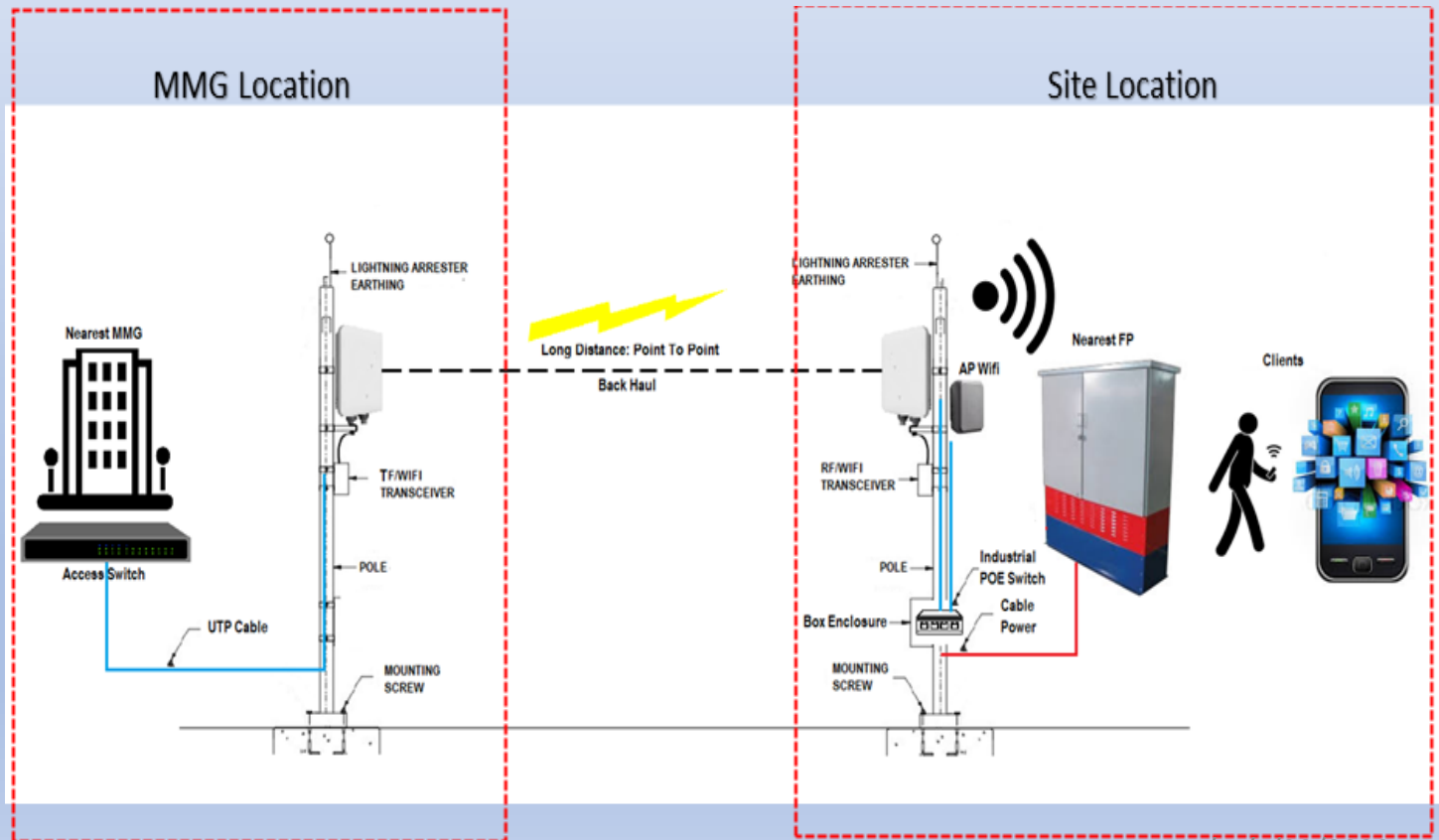


Figure 1: Logical Network Connectivity Diagram.

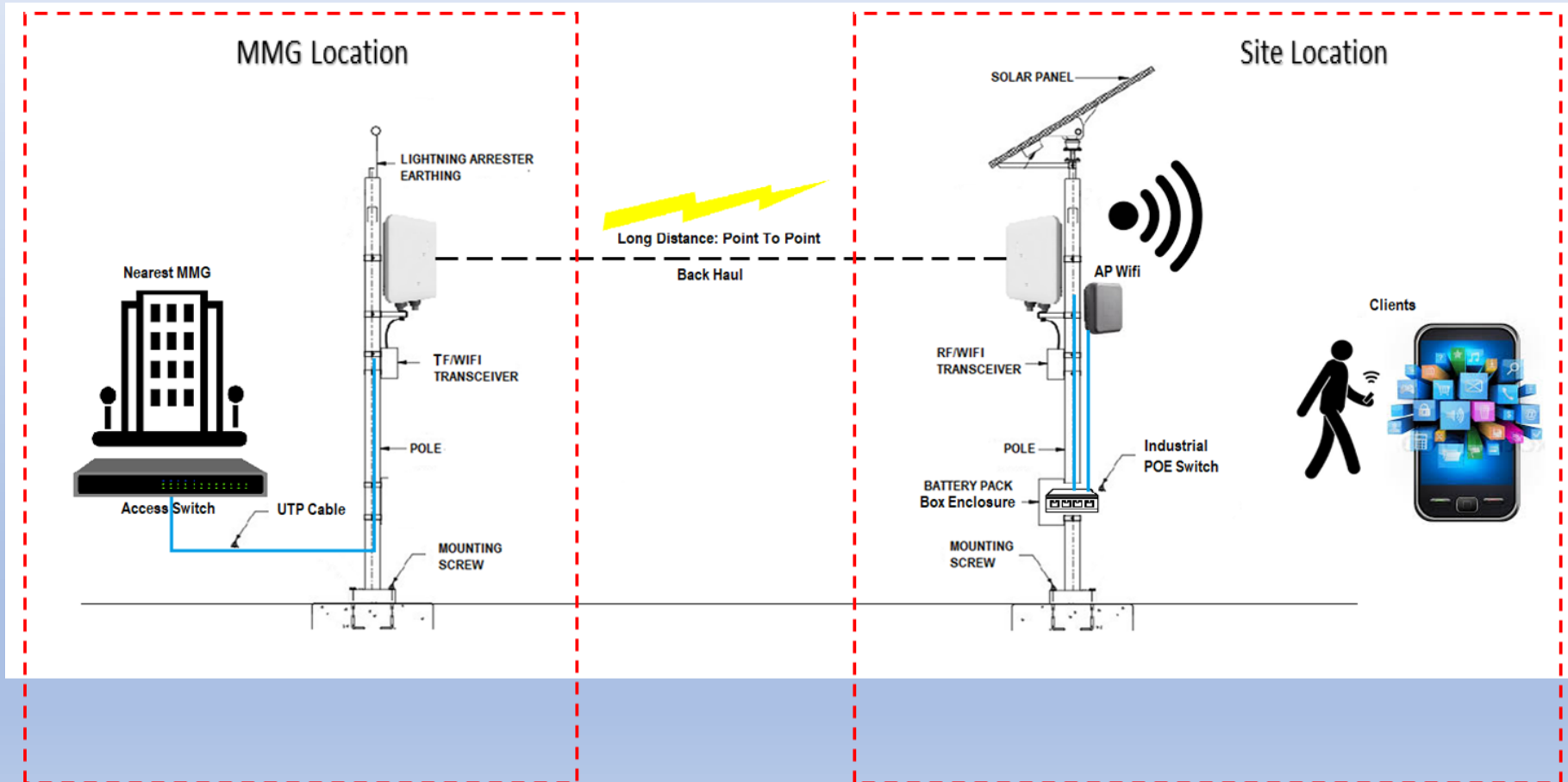


SCHEMATIC DIAGRAM OF WIFI SYSTEM USING PPJ's FEEDER PILLAR POWER SOURCE





SCHEMATIC DIAGRAM OF WIFI SYSTEM USING SOLAR POWER PANEL





TERIMA KASIH,
SEMOGA
BERJAYA