

Appendix for Public Utility Installation

Installation of mobile radio base station and antenna at captioned site, here below is the summary for your easy reference:

1. Proposed 6 nos. of outdoor antennae will be installed:
 - For A1, A3, A5:
Antenna type: ASI4516R1v06
Antenna size: 399(W)x196(D)x1600(H)mm
 - For A2, A4, A6:
Antenna type: MICROWAVE
Antenna size: Ø676x485(D)mm
2. Proposed 12 nos. of QBC Combiner will be installed:
 - Each Size: 260(W)x53(D)x203(H)mm
3. Proposed 9 nos. of RRU will be installed:
 - Each Size: 140(W)x356(D)x480(H)mm
4. Proposed 1 no. of stainless steel equipment cabinet will be installed:
 - Size: 1000(W)x400(D)x1000(H)mm
5. Proposed 1 no. of stainless steel equipment cabinet will be installed:
 - Size: 800(W)x300(D)x1200(H)mm
6. Proposed 1 no. of APM5930 equipment will be installed:
 - Each Size: 600(W)x480(D)x1200(H)mm
7. Proposed 1 no. of concrete meter kiosk will be installed:
 - Size: 1400(W)x1000(D)x2000(H)mm

Total area of antenna:

$$= (0.399 \times 0.196 \times 3) + (0.676 \times 0.485 \times 3)$$

$$= 0.234612 + 0.98358$$

$$= 1.218192 \text{ m}^2$$

Total area of equipment:

$$= (0.26 \times 0.053 \times 12) + (0.14 \times 0.356 \times 9) + (0.8 \times 0.3 \times 1) + (1 \times 0.4 \times 1) +$$

$$(0.6 \times 0.48 \times 1) + (1.4 \times 1 \times 1)$$

$$= 0.16536 + 0.44856 + 0.24 + 0.4 + 0.288 + 1.4$$

$$= 2.94192 \text{ m}^2$$

Total area of antenna and equipment:

$$= 1.218192 + 2.94192$$

$$= 4.160112 \text{ m}^2$$