



ASTI-FM 03-10
REV 2 / 13 MAR 2019

**DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION**

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Aug-13-2019, 2:00 PM		
RFQ No.:	19-07-2570	Date:	August-06-2019
PR No.:	NetMeshR1-19-05-7693	Date:	May-16-2019

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the item/s listed below. As such, suppliers, contractors, or distributors are invited to submit their quotation/s duly signed by authorized representative. Prospective bidder/s who will submit a proposal with the single/lowest calculated and responsive quotation shall be selected. Guidelines on the format and eligibility documents are listed at the box below the item/s to be procured.

Quotations may be sent via **a)** electronic mail at bac-sec@asti.dost.gov.ph, **b)** fax message, or **c)** delivering documents to the BAC Secretariat. For further inquiries, you may contact +63 2 249-8500 local 1206/1212 or +63 2 426-7423.

Thank you.

Respectfully,


PEDRITO B. MANGAHAS
Chairperson, BAC-1

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Mobile Internet Measuring Devices for Testing and Field Deployment</p> <p>1. Supply and Delivery of the following Mobile Phone requirements for NTC Region I:</p> <p>1.1. TABLET#1 (1 unit)</p> <p>1.1.1. 6.5" FHD+ Panoramic Screen</p> <p>1.1.2. MTK P70, 2.1Ghz or equivalent</p> <p>1.1.3. 16MP front camera</p> <p>1.1.4. 48MP+5MP Dual Rear Camera</p> <p>1.1.5. 6GB RAM + 64GB ROM</p> <p>1.1.6. 4,000mAh</p> <p>1.1.7. Dual nano-SIM</p> <p>1.2. TABLET #2 (1 unit)</p> <p>1.2.1. 8.0" WUXGA</p> <p>1.2.2. 8MP AF + 5MP FF</p> <p>1.2.3. Octa Core (1.8GHz + 1.6GHz) or equivalent</p> <p>1.2.4. RAM 3gb, ROM 32gb (expandable upto 512gb)</p> <p>1.2.5. Battery 4,200mAh</p> <p>1.2.6. Android 9.0 Pie Wi-Fi, 3G, LTE Ready</p> <p>1.2.7. Stylus Pen</p> <p>1.2.8. 2D Face Recognition</p> <p>1.3. Tablet #3 (1 unit)</p> <p>1.3.1. NETWORK Technology: GSM / CDMA / HSPA / LTE</p> <p>1.3.2. Speed: HSPA 42.2/5.76 Mbps, LTE Cat4</p>	1	lot	220000.00	220,000.00

150/50 Mbps

- 1.3.3. SIM: Hybrid Dual SIM
- 1.3.4. DISPLAY: IPS LCD capacitive touchscreen
- 1.3.5. Size: 8.0 inches
- 1.3.6. Resolution: 1200 x 1920 pixels, 16:10 ratio
- 1.3.7. OS: Android 7.0 (Nougat) or higher
- 1.3.8. CPU: Octa-core 2.0 GHz Cortex-A53 or equivalent
- 1.3.9. MEMORY: Card slot- microSD, up to 128 GB (uses SIM 2 slot)
- 1.3.10. MAIN CAMERA: Single 8 MP, AF; LED flash; Video-1080p@30fps
- 1.3.11. LAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 1.3.12. Bluetooth: 4.2, A2DP, LE
- 1.3.13. GPS: Yes, with A-GPS
- 1.3.14. USB: 3.0 or 2.0 (all other), Type-C 1.0 reversible connector

1.4. TABLET #4 (1 unit)

- 1.4.1. NETWORK Technology: GSM / HSPA / LTE
- 1.4.2. BODY Dimensions 243.4 x 162.2 x 7.7 mm (9.58 x 6.39 x 0.30 in)
- 1.4.3. Weight 475 g (1.05 lb)
- 1.4.4. Build Front glass, aluminum body
- 1.4.5. SIM: Nano-SIM, Stylus support
- 1.4.6. DISPLAY: IPS LCD capacitive touchscreen
- 1.4.7. Size 10.1 inches
- 1.4.8. Resolution 1920 x 1200 pixels, 16:10 ratio
- 1.4.9. OS: Android 8.0 (Oreo); EMUI 8 or higher
- 1.4.10. CPU Octa-core (4x2.36 GHz Cortex-A53 & 4x1.7 GHz Cortex-A53) or equivalent
- 1.4.11. GPU Mali-T830 MP2 or equivalent
- 1.4.12. MEMORY Card slot microSD, up to 256 GB
- 1.4.13. Internal: 32 GB, 3 GB RAM or higher
- 1.4.14. MAIN CAMERA: 8 MP, AF
- 1.4.15. COMMS: Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 1.4.16. Bluetooth 4.2, A2DP, LE
- 1.4.17. GPS Yes, with A-GPS
- 1.4.18. USB 2.0, Type-C 1.0 reversible connector

1.5. TABLET #5 (1 unit)

- 1.5.1. NETWORK Technology: GSM / HSPA / LTE
- 1.5.2. BODY Dimensions: 260 x 161.1 x 8 mm
- 1.5.3. Weight: 529g (Wi-Fi), 534g (LTE) (1.17 lb)
- 1.5.4. SIM: Nano-SIM
- 1.5.5. DISPLAY Type IPS LCD capacitive touchscreen
- 1.5.6. Size: 10.5 inches
- 1.5.7. Resolution 1200 x 1920 pixels, 16:10 ratio
- 1.5.8. PLATFORM: Android 8.1 (Oreo) or higher
- 1.5.9. Chipset Qualcomm SDM450 Snapdragon 450 (14 nm) or equivalent
- 1.5.10. CPU Octa-core 1.8 GHz Cortex-A53 or equivalent
- 1.5.11. GPU Adreno 506 or equivalent
- 1.5.12. MEMORY Card slot microSD, up to 512 GB (dedicated slot)
- 1.5.13. Internal 32 GB, 3 GB RAM or higher

- 1.5.14. MAIN CAMERA Single 8 MP, AF, f/1.9
- 1.5.15. LED flash, panorama
- 1.5.16. Video 1080p@30fps
- 1.5.17. Loudspeaker Yes
- 1.5.18. COMMS: Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 1.5.19. Bluetooth 4.2, A2DP, LE
- 1.5.20. GPS Yes, with A-GPS
- 1.5.21. USB 2.0, Type-C 1.0 reversible connector
- 1.5.22. Sensors Accelerometer, gyro, compass

1.6. PHONE #1 (1 unit)

- 1.6.1. Octa-core (4x2.2 GHz Kryo 260 & 4x1.8 GHz Kryo 260) or equivalent
- 1.6.2. Qualcomm SDM660 Snapdragon 660 or equivalent
- 1.6.3. OS: Android 8.0 or higher
- 1.6.4. Network: GSM/HSPA/LTE
- 1.6.5. SIM: Dual SIM (Nano-SIM, dual stand-by)
- 1.6.6. Display: 6.3 inches, Super capacitive touchscreen
- 1.6.7. Memory: 64GB, 6GB RAM
- 1.6.8. WLAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot
- 1.6.9. Bluetooth: 5.0, A2DP, LE
- 1.6.10. GPS: Yes, with A-GPS
- 1.6.11. NFC: Yes
- 1.6.12. Radio: FM radio
- 1.6.13. USB: 2.0, Type-C 1.0 reversible connector

1.7. PHONE #2 (1 unit)

- 1.7.1. NETWORK Technology: GSM / HSPA / LTE
- 1.7.2. Dimensions: 165 x 79 x 8.1 mm (6.50 x 3.11 x 0.32 in)
- 1.7.3. Weight: 188 g (6.63 oz)\
- 1.7.4. SIM : Dual SIM (Nano-SIM, dual stand-by)
- 1.7.5. DISPLAY: IPS LCD capacitive touchscreen, 16M colors
- 1.7.6. Size: 6.0 inches
- 1.7.7. Resolution: 1080 x 1920 pixels, 16:9 ratio (~367 ppi density)
- 1.7.8. OS: Android 8.0 (Oreo) or higher
- 1.7.9. CPU: Octa-core (4x2.3 GHz Cortex-A53 & 4x1.6 GHz Cortex-A53) or equivalent
- 1.7.10. GPU: Mali-T880MP2 or equivalent
- 1.7.11. MEMORY: Card slot - microSD, up to 256 GB
- 1.7.12. Internal: 32 GB, 4 GB RAM
- 1.7.13. MAIN CAMERA Single 23 MP or equivalent
- 1.7.14. COMMS: Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct, hotspot
- 1.7.15. Bluetooth: 4.2
- 1.7.16. GPS: Yes, with A-GPS
- 1.7.17. USB: 2.0, Type-C 1.0 reversible connector; USB Host

1.8. PHONE #3 (1 unit)

- 1.8.1. NETWORK Technology: GSM / HSPA / LTE
- 1.8.2. BODY Dimensions 162 x 76.1 x 8.3

mm

- 1.8.3. SIM Hybrid Dual SIM (Nano-SIM, dual stand-by)
- 1.8.4. DISPLAY: IPS LCD capacitive touchscreen
- 1.8.5. Size 6.53 inches, 105.2 cm²
- 1.8.6. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 1.8.7. OS Android 9.0 (Pie); ColorOS 6 or higher
- 1.8.8. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 1.8.9. GPU Mali-G72 MP3 or equivalent
- 1.8.10. MEMORY Card slot microSD, up to 256 GB
- 1.8.11. MAIN CAMERA Dual 48 MP
- 1.8.12. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 1.8.13. Bluetooth 4.2
- 1.8.14. GPS Yes, with A-GPS
- 1.8.15. USB microUSB 2.0, USB OTG

1.9. PHONE #4 (1 unit)

- 1.9.1. NETWORK Technology: GSM / HSPA / LT
- 1.9.2. BODY Dimensions 161.2 x 75.9 x 8.5 mm
- 1.9.3. Weight 189.5 g
- 1.9.4. SIM Dual SIM (Nano-SIM, dual stand-by)
- 1.9.5. DISPLAY Type IPS LCD capacitive touchscreen, 16M colors
- 1.9.6. Size 6.53 inches
- 1.9.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 1.9.8. OS Android 9.0 (Pie) or higher
- 1.9.9. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 1.9.10. GPU Mali-G72 MP3 or equivalent
- 1.9.11. MEMORY Card slot microSD, up to 256 GB
- 1.9.12. Internal 64/128 GB, 6 GB RAM
- 1.9.13. MAIN CAMERA Triple 24 MP
- 1.9.14. Video 2160p@30fps, 1080p@30fps
- 1.9.15. SOUND Loudspeaker
- 1.9.16. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 1.9.17. Bluetooth 4.2
- 1.9.18. GPS Yes, with A-GPS
- 1.9.19. USB microUSB 2.0, USB On-The-Go

1.10. PHONE #5 (1 unit)

- 1.10.1. NETWORK Technology: GSM / HSPA / LTE
- 1.10.2. BODY Dimensions 158.5 x 74.7 x 7.7 mm (6.24 x 2.94 x 0.30 in)
- 1.10.3. Weight 166 g (5.86 oz)
- 1.10.4. SIM Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by)
- 1.10.5. DISPLAY Type capacitive touchscreen, 16M colors
- 1.10.6. Size 6.4 inches
- 1.10.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 1.10.8. Protection Native Damage Resistance
- 1.10.9. PLATFORM OS Android 9.0 (Pie) or higher
- 1.10.10. Chipset Exynos 9610 (10nm) or

	<p>equivalent</p> <p>1.10.11. CPU Octa-core (4x2.3 GHz Cortex-A73 & 4x1.7 GHz Cortex-A53) or equivalent</p> <p>1.10.12. GPU Mali-G72 MP3 or equivalent</p> <p>1.10.13. MEMORY Card slot microSD, up to 512 GB (dedicated slot)</p> <p>1.10.14. Internal 64 GB, 4 GB RAM or higher</p> <p>1.10.15. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot</p> <p>1.10.16. Bluetooth 5.0</p> <p>1.10.17. GPS Yes, with A-GPS</p> <p>1.10.18. USB 2.0, Type-C 1.0 reversible connector</p> <p>1.11. PHONE #6 (1 unit)</p> <p>1.11.1. NETWORK Technology: GSM / HSPA / LTE</p> <p>1.11.2. BODY Dimensions 148.6 x 75 x 8.6 mm</p> <p>1.11.3. Weight 168.1 g (5.93 oz)</p> <p>1.11.4. SIM Nano-SIM</p> <p>1.11.5. DISPLAY: IPS LCD capacitive touchscreen</p> <p>1.11.6. Size 5.3 inches, 77.4 cm²</p> <p>1.11.7. Resolution 720 x 1280 pixels, 16:9 ratio</p> <p>1.11.8. OS Android 7.1 (Nougat) or higher</p> <p>1.11.9. CPU Quad-core 1.4 GHz Cortex-A53 or equivalent</p> <p>1.11.10. GPU Adreno 308 or equivalent</p> <p>1.11.11. MEMORY Card slot microSD, up to 512 GB</p> <p>1.11.12. COMMS WLAN Wi-Fi 802.11 a/b/g/n, Wi-Fi Direct, hotspot</p> <p>1.11.13. Bluetooth 4.2, A2DP, LE</p> <p>1.11.14. GPS Yes, with A-GPS</p> <p>1.11.15. USB 2.0, Type-C 1.0 reversible connector</p> <p>Notes:</p> <ul style="list-style-type: none"> - Supplier must provide info material/full specifications of offered items - Supplier must provide unit cost of offered unit/s - 1 year warranty on all parts and labor - original unit, sealed with complete accessories - all units must have tempered glass screen protector and velvet case soft protector pouch 				
2	<p>Mobile Internet Measuring Devices for Testing and Field Deployment</p> <p>2. Supply and Delivery of the following Mobile Phone requirements for NTC Region IV:</p> <p>2.1. TABLET #1 (1 unit)</p> <p>2.1.1. 7 INCH IPS, 600 X 1024PX</p> <p>2.1.2. QUAD-CORE A7 1.3GHZ or equivalent</p> <p>2.1.3. 4.1 ANDROID M</p> <p>2.1.4. 2GB RAM</p> <p>2.1.5. 16GB ROM UP TO 128GB</p> <p>2.1.6. 2MP FRONT</p> <p>2.1.7. 2MP BACK</p> <p>2.1.8. 3G SIM</p> <p>2.1.9. 3100 MAH</p>	1	lot	220000.00	220,000.00

2.2. TABLET #2 (1 unit)

- 2.2.1. NETWORK Technology: GSM / CDMA / HSPA / LTE
- 2.2.2. Speed: HSPA 42.2/5.76 Mbps, LTE Cat4 150/50 Mbps
- 2.2.3. SIM: Hybrid Dual SIM
- 2.2.4. DISPLAY Type: IPS LCD capacitive touchscreen
- 2.2.5. Size: 8.0 inches
- 2.2.6. Resolution: 1200 x 1920 pixels, 16:10 ratio
- 2.2.7. OS: Android 7.0 (Nougat) or higher
- 2.2.8. CPU: Octa-core 2.0 GHz Cortex-A53 or equivalent
- 2.2.9. MEMORY: Card slot- microSD, up to 128 GB (uses SIM 2 slot)
- 2.2.10. MAIN CAMERA: Single 8 MP, AF; LED flash; Video-1080p@30fps
- 2.2.11. WLAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.2.12. Bluetooth: 4.2, A2DP, LE
- 2.2.13. GPS: Yes, with A-GPS
- 2.2.14. USB: 3.0 or 2.0 (all other), Type-C 1.0 reversible connector

2.3. TABLET #3 (1 unit)

- 2.3.1. NETWORK Technology: GSM / HSPA / LTE
- 2.3.2. BODY Dimensions 243.4 x 162.2 x 7.7 mm
- 2.3.3. Weight 475 g (1.05 lb)
- 2.3.4. Build Front glass, aluminum body
- 2.3.5. SIM: Nano-SIM, Stylus support
- 2.3.6. DISPLAY Type IPS LCD capacitive touchscreen
- 2.3.7. Size 10.1 inches
- 2.3.8. Resolution 1920 x 1200 pixels, 16:10 ratio
- 2.3.9. OS Android 8.0 (Oreo); EMUI 8 or higher
- 2.3.10. CPU Octa-core (4x2.36 GHz Cortex-A53 & 4x1.7 GHz Cortex-A53) or equivalent
- 2.3.11. GPU Mali-T830 MP2 or equivalent
- 2.3.12. MEMORY Card slot microSD, up to 256 GB
- 2.3.13. Internal 32 GB, 3 GB RAM or higher
- 2.3.14. MAIN CAMERA Single 8 MP, AF
- 2.3.15. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.3.16. Bluetooth 4.2
- 2.3.17. GPS Yes, with A-GPS
- 2.3.18. USB 2.0, Type-C 1.0 reversible connector

2.4. TABLET #4 (1 unit)

- 2.4.1. NETWORK Technology: GSM / HSPA / LTE
- 2.4.2. BODY Dimensions 260 x 161.1 x 8 mm
- 2.4.3. Weight 529g (Wi-Fi), 534g (LTE) (1.17 lb)
- 2.4.4. SIM Nano-SIM
- 2.4.5. DISPLAY Type IPS LCD capacitive touchscreen
- 2.4.6. Size 10.5 inches
- 2.4.7. Resolution 1200 x 1920 pixels, 16:10 ratio
- 2.4.8. PLATFORM OS Android 8.1 (Oreo) or higher
- 2.4.9. Chipset Qualcomm SDM450 Snapdragon

450 (14 nm) or equivalent

- 2.4.10. CPU Octa-core 1.8 GHz Cortex-A53 or equivalent
- 2.4.11. GPU Adreno 506 or equivalent
- 2.4.12. MEMORY Card slot microSD, up to 512 GB (dedicated slot)
- 2.4.13. Internal 32 GB, 3 GB RAM
- 2.4.14. MAIN CAMERA Single 8 MP
- 2.4.15. Features LED flash, panorama
- 2.4.16. Video 1080p@30fps
- 2.4.17. SOUND Loudspeaker Yes
- 2.4.18. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.4.19. Bluetooth 4.2
- 2.4.20. GPS Yes, with A-GPS
- 2.4.21. USB 2.0, Type-C 1.0 reversible connector

2.5. PHONE #1 (1 unit)

- 2.5.1. Octa-core (4x2.2 GHz Kryo 260 & 4x1.8 GHz Kryo 260) or equivalent
- 2.5.2. Qualcomm SDM660 Snapdragon 660 or equivalent
- 2.5.3. OS: Android 8.0 or higher
- 2.5.4. Network: GSM/HSPA/LTE
- 2.5.5. SIM: Dual SIM (Nano-SIM, dual stand-by)
- 2.5.6. Display: 6.3 inches, Super capacitive touchscreen
- 2.5.7. Memory: 64GB, 6GB RAM
- 2.5.8. WLAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot
- 2.5.9. Bluetooth: 5.0
- 2.5.10. GPS: Yes, with A-GPS
- 2.5.11. NFC: Yes
- 2.5.12. USB : 2.0, Type-C 1.0 reversible connector

2.6. PHONE #2 (1 unit)

- 2.6.1. NETWORK Technology: GSM / HSPA / LTE
- 2.6.2. BODY Dimensions 165 x 79 x 8.1 mm
- 2.6.3. Weight 188 g (6.63 oz)
- 2.6.4. SIM : Dual SIM (Nano-SIM, dual stand-by)
- 2.6.5. DISPLAY Type IPS LCD capacitive touchscreen
- 2.6.6. Size 6.0 inches
- 2.6.7. Resolution 1080 x 1920 pixels, 16:9 ratio
- 2.6.8. OS Android 7.0 (Nougat), upgradeable to Android 8.0 (Oreo) or higher
- 2.6.9. CPU Octa-core (4x2.3 GHz Cortex-A53 & 4x1.6 GHz Cortex-A53) or equivalent
- 2.6.10. GPU Mali-T880MP2 or equivalent
- 2.6.11. Card slot microSD, up to 256 GB
- 2.6.12. Internal 32 GB, 4 GB RAM or higher
- 2.6.13. MAIN CAMERA Single 23 MP
- 2.6.14. COMMS WLAN Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct, hotspot
- 2.6.15. Bluetooth 4.2, A2DP, LE
- 2.6.16. GPS Yes, with A-GPS
- 2.6.17. USB 2.0, Type-C 1.0 reversible connector; USB Host

2.7. PHONE #3 (1 unit)

- 2.7.1. NETWORK Technology: GSM / HSPA / LTE
- 2.7.2. BODY Dimensions 162 x 76.1 x 8.3 mm
- 2.7.3. Weight 188 g (6.63 oz)
- 2.7.4. SIM Hybrid Dual SIM (Nano-SIM, dual stand-by)
- 2.7.5. DISPLAY Type LTPS IPS LCD capacitive touchscreen
- 2.7.6. Size 6.53 inches
- 2.7.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 2.7.8. OS Android 9.0 (Pie); ColorOS 6 or higher
- 2.7.9. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 2.7.10. GPU Mali-G72 MP3 or equivalent
- 2.7.11. Card slot microSD, up to 256 GB (uses shared SIM slot)
- 2.7.12. MAIN CAMERA Dual 48 MP
- 2.7.13. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.7.14. Bluetooth 4.2, A2DP
- 2.7.15. GPS Yes, with A-GPS
- 2.7.16. USB microUSB 2.0, USB On-The-Go

2.8. PHONE #4 (1 unit)

- 2.8.1. NETWORK Technology: GSM / HSPA / LT
- 2.8.2. BODY Dimensions 161.2 x 75.9 x 8.5 mm
- 2.8.3. Weight 189.5 g (6.70 oz)
- 2.8.4. SIM Dual SIM (Nano-SIM, dual stand-by)
- 2.8.5. DISPLAY Type IPS LCD capacitive touchscreen
- 2.8.6. Size 6.53 inches
- 2.8.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 2.8.8. OS Android 9.0 (Pie); Funtouch 9 or higher
- 2.8.9. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 2.8.10. GPU Mali-G72 MP3 or equivalent
- 2.8.11. Card slot microSD, up to 256 GB
- 2.8.12. Internal 64/128 GB, 6 GB RAM
- 2.8.13. MAIN CAMERA Triple 24 MP
- 2.8.14. Video 2160p@30fps, 1080p@30fps
- 2.8.15. SOUND Loudspeaker
- 2.8.16. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.8.17. Bluetooth 4.2
- 2.8.18. GPS Yes, with A-GPS
- 2.8.19. USB microUSB 2.0, USB On-The-Go
- 2.8.20. Sensors Fingerprint (rear-mounted), accelerometer, gyro, proximity, compass

2.9. PHONE #5 (1 unit)

- 2.9.1. NETWORK Technology: GSM / HSPA / LTE
- 2.9.2. BODY Dimensions 158.5 x 74.7 x 7.7 mm
- 2.9.3. Weight 166 g (5.86 oz)
- 2.9.4. SIM Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by)
- 2.9.5. DISPLAY Type Super AMOLED capacitive touchscreen
- 2.9.6. Size 6.4 inches

- 2.9.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 2.9.8. Protection Native Damage Resistance
- 2.9.9. OS Android 9.0 (Pie) or higher
- 2.9.10. Chipset Exynos 9610 (10nm) or equivalent
- 2.9.11. CPU Octa-core (4x2.3 GHz Cortex-A73 & 4x1.7 GHz Cortex-A53) or equivalent
- 2.9.12. GPU Mali-G72 MP3 or equivalent
- 2.9.13. MEMORY Card slot microSD, up to 512 GB (dedicated slot)
- 2.9.14. Internal 64 GB, 4 GB RAM or higher
- 2.9.15. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 2.9.16. Bluetooth 5.0
- 2.9.17. GPS Yes, with A-GPS
- 2.9.18. USB 2.0, Type-C 1.0 reversible connector

2.10. PHONE #6 (1 unit)

- 2.10.1. NETWORK Technology: GSM / HSPA / LTE
- 2.10.2. BODY Dimensions 148.6 x 75 x 8.6 mm
- 2.10.3. Weight 168.1 g (5.93 oz)
- 2.10.4. SIM Nano-SIM
- 2.10.5. DISPLAY Type IPS LCD capacitive touchscreen
- 2.10.6. Size 5.3 inches
- 2.10.7. Resolution 720 x 1280 pixels, 16:9 ratio
- 2.10.8. OS Android 7.1 (Nougat) or higher
- 2.10.9. CPU Quad-core 1.4 GHz Cortex-A53 or equivalent
- 2.10.10. GPU Adreno 308 or equivalent
- 2.10.11. MEMORY Card slot microSD, up to 512 GB
- 2.10.12. COMMS WLAN Wi-Fi 802.11 a/b/g/n, Wi-Fi Direct, hotspot
- 2.10.13. Bluetooth 4.2
- 2.10.14. GPS Yes, with A-GPS
- 2.10.15. USB 2.0, Type-C 1.0 reversible connector
- 2.10.16. Sensors Fingerprint (rear-mounted), accelerometer, proximity, compass

2.11. PHONE #7 (1 unit)

- 2.11.1. 6.4" Display
- 2.11.2. FHD+ Super AMOLED
- 2.11.3. Octa Core 2.3GHz or higher
- 2.11.4. 6GB RAM
- 2.11.5. 128GB Internal Memory |up to 512GB
- 2.11.6. Rear Camera: 25MP (F1.7 Low Light) + |8MP (Ultra Wide Angle) |+ 5MP (Live Focus)
- 2.11.7. Front Camera 25MP (Selfie Focus)
- 2.11.8. Android 9.0 Pie or higher
- 2.11.9. 4,000mAh
- 2.11.10. 15W Fast-Charging
- 2.11.11. On-Screen Fingerprint Unlock |4G LTE
- 2.11.12. Face Recognition Unlock, Always On Display, Scene Optimizer, Flaw Detection, 2D AR Emoji,USB Type-C, Power Saving Mode |Dual Sim, Triple Slot

2.12. PHONE #8 (1 unit)

	<p>2.12.1. 4.5" FWVGA IPS display 2.12.2. 1GB RAM 2.12.3. 8GB internal memory (expandable up to 128GB) 2.12.4. 5MP Rear Camera 2.12.5. 2MP Front Camera</p> <p>2.13. PHONE #9 (1 unit) 2.13.1. 5.7" DISPLAY , QUALCOMM or equivalent 2.13.2. QUAD-CORE 1.4 GHZ 2.13.3. ANDROID 8.0 2.13.4. 2GB RAM 2.13.5. 16GB ROM MICRO SD UP TO 256GB 2.13.6. FRONT:5MP , REAR: 13MP 2.13.7. DUAL NANO SIM LTE 2.13.8. 3000 MAH 2.13.9. FINGERPRINT SENSOR/FACE UNLOCK/OTG</p> <p>2.14. PHONE #10 (1 unit) 2.14.1. Screen: 5.0" FWVGA Display 2.14.2. Connectivity: Wi-Fi, 3G HSPA+, Bluetooth 4.2, GPS 2.14.3. Dual (Micro) SIM, Dual Standby 2.14.4. Android OS: Android Go (Oreo 8.0) or higher 2.14.5. Main Camera: 5.0MP rear camera with LED flash , Front Camera: 2.0MP front camera 2.14.6. Processor: 1.3GHz Quad-Core 2.14.7. CPU ROM: 8GB, expandable up to 64GB 2.14.8. RAM: 512MB 2.14.9. Battery: 2000mah</p> <p>Notes: - Supplier must provide info material/full specifications of offered items - Supplier must provide unit cost of offered unit/s - 1 year warranty on all parts and labor - original unit, sealed with complete accessories - all units must have tempered glass screen protector and velvet case soft protector pouch</p>				
3	<p>Mobile Internet Measuring Devices for Testing and Field Deployment 3. Supply and Delivery of the following Mobile Phone requirements for NTC Region XII:</p> <p>3.1. Tablet #1 (1 unit) 3.1.1. NETWORK Technology: GSM / CDMA / HSPA / LTE 3.1.2. Speed: HSPA 42.2/5.76 Mbps, LTE Cat4 150/50 Mbps 3.1.3. SIM: Hybrid Dual SIM 3.1.4. DISPLAY Type: IPS LCD capacitive touchscreen 3.1.5. Size: 8.0 inches 3.1.6. Resolution: 1200 x 1920 pixels, 16:10 ratio 3.1.7. OS: Android 7.0 (Nougat) or higher 3.1.8. CPU: Octa-core 2.0 GHz Cortex-A53 or equivalent 3.1.9. MEMORY: Card slot- microSD, up to 128 GB (uses SIM 2 slot)</p>	1	lot	220000.00	220,000.00

- 3.1.10. MAIN CAMERA: Single 8 MP, AF; LED flash; Video-1080p@30fps
- 3.1.11. WLAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 3.1.12. Bluetooth: 4.2
- 3.1.13. GPS: Yes, with A-GPS
- 3.1.14. USB: 3.0 (TB-8704V) or 2.0 (all other), Type-C 1.0 reversible connector

3.2. TABLET #2 (1 unit)

- 3.2.1. NETWORK Technology: GSM / HSPA / LTE
- 3.2.2. BODY Dimensions 243.4 x 162.2 x 7.7 mm
- 3.2.3. Weight 475 g (1.05 lb)
- 3.2.4. Build Front glass, aluminum body
- 3.2.5. SIM: Nano-SIM, Stylus support
- 3.2.6. DISPLAY Type IPS LCD capacitive touchscreen
- 3.2.7. Size 10.1 inches
- 3.2.8. Resolution 1920 x 1200 pixels, 16:10 ratio
- 3.2.9. OS Android 8.0 (Oreo); EMUI 8 or higher
- 3.2.10. CPU Octa-core (4x2.36 GHz Cortex-A53 & 4x1.7 GHz Cortex-A53) or equivalent
- 3.2.11. GPU Mali-T830 MP2 or equivalent
- 3.2.12. MEMORY Card slot microSD, up to 256 GB
- 3.2.13. Internal 32 GB, 3 GB RAM or higher
- 3.2.14. MAIN CAMERA Single 8 MP
- 3.2.15. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 3.2.16. Bluetooth 4.2
- 3.2.17. GPS Yes, with A-GPS
- 3.2.18. USB 2.0, Type-C 1.0 reversible connector

3.3. TABLET #3 (1 unit)

- 3.3.1. NETWORK Technology: GSM / HSPA / LTE
- 3.3.2. BODY Dimensions 260 x 161.1 x 8 mm
- 3.3.3. Weight 529g (Wi-Fi), 534g (LTE) (1.17 lb)
- 3.3.4. SIM Nano-SIM
- 3.3.5. DISPLAY Type IPS LCD capacitive touchscreen
- 3.3.6. Size 10.5 inches
- 3.3.7. Resolution 1200 x 1920 pixels, 16:10 ratio
- 3.3.8. OS Android 8.1 (Oreo) or higher
- 3.3.9. Chipset Qualcomm SDM450 Snapdragon 450 (14 nm) or equivalent
- 3.3.10. CPU Octa-core 1.8 GHz Cortex-A53 or equivalent
- 3.3.11. GPU Adreno 506 or equivalent
- 3.3.12. MEMORY Card slot microSD, up to 512 GB (dedicated slot)
- 3.3.13. Internal 32 GB, 3 GB RAM
- 3.3.14. MAIN CAMERA Single 8 MP
- 3.3.15. LED flash, panorama
- 3.3.16. Video 1080p@30fps
- 3.3.17. Loudspeaker Yes
- 3.3.18. WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 3.3.19. Bluetooth 4.2
- 3.3.20. GPS Yes, with A-GPS
- 3.3.21. USB 2.0, Type-C 1.0 reversible connector

3.3.22. Sensors Accelerometer, gyro, compass

3.4. TABLET #4 (1 UNIT)

3.4.1. NETWORK Technology GSM / HSPA / LTE

3.4.2. BODY Dimensions 203.2 x 134.8 x 6.1 mm (8.0 x 5.31 x 0.24 in)

3.4.3. Weight 300.5 g (Wi-Fi) / 308.2 g (3G/LTE) (10.86 oz)

3.4.4. SIM Nano-SIM, Electronic SIM card (eSIM)

3.4.5. Stylus support

3.4.6. DISPLAY Type IPS LCD capacitive touchscreen, 16M colors

3.4.7. Size 7.9 inches, 193.3 cm²

3.4.8. Resolution 1536 x 2048 pixels, 4:3 ratio (~324 ppi density)

3.4.9. Protection Scratch-resistant glass, True-tone

3.4.10. PLATFORM OS iOS 12.1.3 or higher

3.4.11. Internal 64/256 GB, 3 GB RAM

3.4.12. MAIN CAMERA Single 8 MP, f/2.4, 32mm (standard), 1.12µm, AF

3.4.13. Video 1080p@30fps

3.4.14. SOUND Loudspeaker Yes, with stereo speakers

3.4.15. 3.5mm jack Yes, Active noise cancellation with dedicated mic

3.4.16. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, hotspot

3.4.17. Bluetooth 5.0, A2DP, EDR

3.4.18. GPS Yes, with A-GPS, Radio

3.4.19. USB 2.0, proprietary reversible connector

3.4.20. FEATURES Fingerprint (front-mounted), accelerometer, gyro, compass, barometer

3.5. PHONE #1 (1 unit)

3.5.1. Octa-core (4x2.2 GHz Kryo 260 & 4x1.8 GHz Kryo 260) or equivalent

3.5.2. Qualcomm SDM660 Snapdragon 660 or equivalent

3.5.3. OS: Android 8.0 or higher

3.5.4. Network: GSM/HSPA/LTE

3.5.5. SIM: Dual SIM (Nano-SIM, dual stand-by)

3.5.6. Display: 6.3 inches, capacitive touchscreen

3.5.7. Memory: 64GB, 6GB RAM

3.5.8. WLAN: Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, hotspot

3.5.9. Bluetooth: 5.0, A2DP, LE

3.5.10. GPS: Yes, with A-GPS

3.5.12. USB: 2.0, Type-C 1.0 reversible connector

3.6. PHONE #2 (1 unit)

3.6.1. NETWORK Technology: GSM / HSPA / LTE

3.6.2. BODY Dimensions 165 x 79 x 8.1 mm

3.6.3. Weight 188 g (6.63 oz)

3.6.4. SIM : Dual SIM (Nano-SIM, dual stand-by)

3.6.5. DISPLAY Type IPS LCD capacitive touchscreen

3.6.6. Size 6.0 inches

3.6.7. Resolution 1080 x 1920 pixels, 16:9 ratio

3.6.8. OS Android 7.0 (Nougat), upgradable to

Android 8.0 (Oreo) or higher

- 3.6.9. CPU Octa-core (4x2.3 GHz Cortex-A53 & 4x1.6 GHz Cortex-A53) or equivalent
- 3.6.10. GPU Mali-T880MP2 or equivalent
- 3.6.11. MEMORY Card slot microSD, up to 256 GB
- 3.6.12. Internal 32 GB, 4 GB RAM or higher
- 3.6.13. MAIN CAMERA Single 23 MP
- 3.6.14. WLAN Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct, hotspot
- 3.6.15. Bluetooth 4.2, A2DP
- 3.6.16. GPS Yes, with A-GPS
- 3.6.17. USB 2.0, Type-C 1.0 reversible connector; USB Host

3.7. PHONE #3 (1 unit)

- 3.7.1. NETWORK Technology: GSM / HSPA / LTE
- 3.7.2. BODY Dimensions 162 x 76.1 x 8.3 mm
- 3.7.3. Weight 188 g (6.63 oz)
- 3.7.4. SIM Hybrid Dual SIM (Nano-SIM, dual stand-by)
- 3.7.5. DISPLAY Type LTPS IPS LCD capacitive touchscreen
- 3.7.6. Size 6.53 inches
- 3.7.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 3.7.8. OS Android 9.0 (Pie); ColorOS 6 or higher
- 3.7.9. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 3.7.10. GPU Mali-G72 MP3 or equivalent
- 3.7.11. MEMORY Card slot microSD, up to 256 GB (uses shared SIM slot)
- 3.7.12. MAIN CAMERA Dual 48 MP; 5 MP
- 3.7.13. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 3.7.14. Bluetooth 4.2
- 3.7.15. GPS Yes, with A-GPS
- 3.7.16. USB microUSB 2.0, USB On-The-Go

3.8. PHONE #4 (1 unit)

- 3.8.1. NETWORK Technology: GSM / HSPA / LT
- 3.8.2. BODY Dimensions 161.2 x 75.9 x 8.5 mm
- 3.8.3. Weight 189.5 g (6.70 oz)
- 3.8.4. SIM Dual SIM (Nano-SIM, dual stand-by)
- 3.8.5. DISPLAY Type IPS LCD capacitive touchscreen
- 3.8.6. Size 6.53 inches
- 3.8.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 3.8.8. OS Android 9.0 (Pie); Funtouch 9 or higher
- 3.8.9. CPU Octa-core (4x2.1 GHz Cortex-A73 & 4x2.0 GHz Cortex-A53) or equivalent
- 3.8.10. GPU Mali-G72 MP3 or equivalent
- 3.8.11. MEMORY Card slot microSD, up to 256 GB
- 3.8.12. Internal 64/128 GB, 6 GB RAM
- 3.8.13. MAIN CAMERA Triple 24 MP
- 3.8.14. Video 2160p@30fps, 1080p@30fps
- 3.8.15. SOUND Loudspeaker
- 3.8.16. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot

- 3.8.17. Bluetooth 4.2
- 3.8.18. GPS Yes, with A-GPS
- 3.8.19. USB microUSB 2.0, USB On-The-Go
- 3.8.20. Sensors Fingerprint (rear-mounted), accelerometer, gyro, proximity, compass

3.9. PHONE #5 (1 unit)

- 3.9.1. NETWORK Technology: GSM / HSPA / LTE
- 3.9.2. BODY Dimensions 158.5 x 74.7 x 7.7 mm
- 3.9.3. Weight 166 g (5.86 oz)
- 3.9.4. SIM Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by)
- 3.9.5. DISPLAY Type Super AMOLED capacitive touchscreen, 16M colors
- 3.9.6. Size 6.4 inches
- 3.9.7. Resolution 1080 x 2340 pixels, 19.5:9 ratio
- 3.9.8. Protection Native Damage Resistance
- 3.9.9. OS Android 9.0 (Pie) or higher
- 3.9.10. Chipset Exynos 9610 (10nm) or equivalent
- 3.9.11. CPU Octa-core (4x2.3 GHz Cortex-A73 & 4x1.7 GHz Cortex-A53) or equivalent
- 3.9.12. GPU Mali-G72 MP3 or equivalent
- 3.9.13. MEMORY Card slot microSD, up to 512 GB (dedicated slot)
- 3.9.14. Internal 64 GB, 4 GB RAM or higher
- 3.9.15. COMMS WLAN Wi-Fi 802.11 a/b/g/n/ac, dual-band, WiFi Direct, hotspot
- 3.9.16. Bluetooth 5.0
- 3.9.17. GPS Yes, with A-GPS
- 3.9.18. USB 2.0, Type-C 1.0 reversible connector

3.10. PHONE #6 (1 unit)

- 3.10.1. NETWORK Technology: GSM / HSPA / LTE
- 3.10.2. BODY Dimensions 148.6 x 75 x 8.6 mm
- 3.10.3. Weight 168.1 g (5.93 oz)
- 3.10.4. SIM Nano-SIM
- 3.10.5. DISPLAY Type LCD capacitive touchscreen
- 3.10.6. Size 5.3 inches
- 3.10.7. Resolution 720 x 1280 pixels, 16:9 ratio
- 3.10.8. OS Android 7.1 (Nougat) or higher
- 3.10.9. CPU Quad-core 1.4 GHz Cortex-A53 or equivalent
- 3.10.10. GPU Adreno 308 or equivalent
- 3.10.11. MEMORY Card slot microSD, up to 512 GB
- 3.10.12. COMMS WLAN Wi-Fi 802.11 a/b/g/n, Wi-Fi Direct, hotspot
- 3.10.13. Bluetooth 4.2
- 3.10.14. GPS Yes, with A-GPS
- 3.10.15. USB 2.0, Type-C 1.0 reversible connector
- 3.10.16. Sensors Fingerprint (rear-mounted), accelerometer, proximity, compass

3.11. PHONE #7 (1 unit)

- 3.11.1. 6.53 INCH,4000 Mah

- 3.11.2. 32 MP ELEVATING SELFIE CAM
- 3.11.3. 12MP+8MP+5MP TRIPLE REAR CAM
- 3.11.4. 120' AL SUPER WIDE ANGLE CAM
- 3.11.5. 6GB RAM+128GB ROM (expandable up to 256GB microSD)
- 3.11.6. AL GAME MODE 5.0
- 3.11.7. ANDROID 9.0, FUNTOUCH OS 9. or higher

Notes:

- Supplier must provide info material/full specifications of offered items
- 1 year warranty on all parts and labor
- original unit, sealed with complete accessories
- all units must have tempered glass screen protector and velvet case soft protector pouch

TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 660,000.00

GUIDELINES

A. Submission of Quotations

1. Quotation/s shall include the Request for Quotation and/or the Purchase Request Number as state above;
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation/s; and
3. Quotation/s must be signed by the company's duly authorized representative.

B. Eligibility Requirements

Pursuant to Annex "H" or Consolidated Guidelines for the Alternative Methods of Procurement of the 2016 Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, as amended by Government Procurement Policy Board Resolution No. 21-2017 dated 30 May 2017, the following documents shall be submitted except for Repeat Order, Shopping under Section 52.1(a), and Negotiated Procurement under Sections 53.1 (Two-Failed Biddings), and 53.5 (Agency-to-Agency):

For Procurement of Goods

1. Upon submission of quotation
 - ✓ PhilGEPs Platinum Membership Certificate including Annex "A". If not available, the following alternate documents may be submitted:
 - PhilGEPs Registration Number
 - Mayor's Permit
 - For individuals/professionals engaged under Section 53.6, 53.7 and 53.9 of the 2016 IRR of RA No. 9184, only the Bureau of Internal Revenue (BIR) Certificate of Registration shall be submitted in lieu of the Mayor's Permit.
2. Upon issuance of Notice of Award (NOA)
 - ✓ Omnibus Sworn Statement
 - Applicable only for bidders who have submitted their quotation on item/s with a total Approved Budget for the Contract (ABC) of above Php50,000.00.
 - ✓ Income/Business Tax Return
 - Applicable only for: **a)** bidders who have submitted their quotation on item/s with a total ABC of above Php500,000.00; and **b)** bidders for Lease of Real Property and Venue (except for government agencies as lessors).

For Procurement of Infrastructure

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Philippine Contractors Accreditation Board License.

For Procurement of Consulting Services

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Professional Regulation Commission License or Curriculum Vitae.

NOTE: For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. For all kinds of procurement, the bidder who passed the bid evaluation, shall submit a duly notarized Omnibus Sworn Statement upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery; and
5. The DOST-ASTI reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.