

**ANNEX “A”**  
**NTC Electronic Data Gathering/Governance & Evaluation System**  
**with VOIP Network Project – Phase 2**

## Technical Specifications

Item	Specification	Statement of Compliance
<b>A.</b>	<b>SERVER (1 set)</b>	
A.1	<b>Specifications</b>	
A.1.1	Processor: At least Intel Xeon E-2224 3.4GHz, 8M cache, 4C/4T, turbo (71W) or equivalent	
A.1.2	Memory: at least 16GB 2666MT/s DDR4 or equivalent	
A.1.3	Network Controller: at least Dual-Port 1GbE	
A.1.4	Raid Controller: With RAID or storage controller	
A.1.5	Hard drives: At least with 2x 1TB 7.2K RPM 3.5in Hot-Plug Hard Drive	
A.1.6	Chassis: <ul style="list-style-type: none"> <li>• with up to 4 Hard Drives Capacity</li> <li>• Rack Server</li> </ul>	
A.1.7	At least Single Power Supply	
A.1.8	With management controller	
A.1.9	With DVD+/-RW, SATA, Internal	
A.2	<b>Others</b>	
A.2.1	No Operating System	
A.2.2	Jumper Cord /Cables & accessories	
A.3	<b>Warranty &amp; Support</b>	
A.3.1	Three (3) Years and Next Business Day Onsite Service	

Item	Specification	Statement of Compliance
<b>B.</b>	<b>Server Rack (1 set)</b>	
B.1	<b>Specifications</b>	
B.1.1	At least 22U Server Rack Cabinet	
B.1.2	Front door with lock and key	
B.1.3	Removable side and back panels	
B.1.4	Includes blower fans	
B.1.5	Includes 2 x fixed shelves	
B.1.6	Includes 1 x 6-slot Power Distribution Unit	
B.1.7	With sets of screws and nuts	
B.1.8	Rack mount width : Standard 19"	
B.1.9	With coating: yes	
B.1.10	Material: Steel/Metal	
B.1.11	Color : Black	
B.2	<b>Others</b>	
	The rack shall be well-matched to enclose properly the server equipment in item A (at least with a minimum rack depth of 800mm or as vendor specified)	

Item	Specification	Statement of Compliance
<b>C.</b>	<b>UPS (1 unit)</b>	
C.1	<b>Specifications</b>	
C.1.1	Tower Type	
C.1.2	At least 1.6kWatts / 2.0kVA	
C.1.3	Nominal Voltage : 220v or 230v	
C.1.4	Frequency 50/60 Hz auto selection	
C.1.5	Topology Double Conversion Online or Line Interactive UPS	
C.1.6	Output /Outlets Connections At least (4) outlets	
C.1.7	Communication Ports: at least with 1 USB port	
C.1.8	With Multifunction LCD and control console	
C.1.9	Waveform type: Sine wave	
C.2	<b>Warranty</b>	
	At least one (1) Year	

<b>Item</b>	<b>Specification</b>	<b>Statement of Compliance</b>
<b>D.</b>	<b>LED TV Package (1 set)</b>	
D.1	<b>Specifications</b>	
D.1.1	At least 55"	
D.1.2	Smart TV	
D.1.3	At least 4K Picture Quality	
D.1.4	HDR	
D.1.5	With wifi	
D.1.6	Camera <ul style="list-style-type: none"> <li>- at least 1080P</li> <li>- can be mounted on top of monitor</li> <li>- USB interface</li> </ul>	
D.1.7	Microphone (at least 3 sets) <ul style="list-style-type: none"> <li>- Mic unit: Condenser</li> <li>- Operation voltage: DC 1.5V</li> <li>- Cord length: about 1.8M</li> <li>- Plug: 3.5mm</li> </ul>	
D.1.8	Speaker <ul style="list-style-type: none"> <li>- USB powered</li> <li>- Plug: 3.5 mm audio jack</li> <li>- At least with output power of (RMS): 5W*2</li> <li>- With headphone jack</li> </ul>	
D.2	<b>Warranty</b>	
	At least one (1) Year	

<b>Item</b>	<b>Specification</b>	<b>Statement of Compliance</b>
<b>E.</b>	<b>KIOSK PC (2 sets)</b>	
E.1	<b>Specifications</b>	
E.1.1	<b>All-in-one Computer with at least 21.5" display</b>	
E.1.2	Other <ul style="list-style-type: none"> <li>- With LAN or WLAN Connectivity</li> <li>- At least 4GB RAM</li> <li>- At least 240 GB SSD or at least 1TB for non-SSD</li> <li>- At least Intel Core i3 or equivalent</li> <li>- With USB, audio jack</li> <li>- With Windows OS</li> <li>- <b>Keyboard and mouse</b></li> </ul>	
E.1.3	Kiosk PC (All-in-one PC) shall be provided with a thermal printer with auto cutter	
E.2	<b>Warranty</b>	
	At least one (1) Year	