

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

Technical Specifications

Item	Specification	Statement of Compliance
A.	SERVER (1 set)	
A.1	Specifications	
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"> • with up to 4 Hard Drives Capacity • Rack Server 	
A.1.7	At least Single Power Supply	
A.1.8	With management controller	
A.1.9	With DVD+/-RW, SATA, Internal	
A.2	Others	
A.2.1	No Operating System	
A.2.2	Jumper Cord /Cables & accessories	
A.3	Warranty & Support	
A.3.1	Three (3) Years and Next Business Day Onsite Service	

Item	Specification	Statement of Compliance
B.	Server Rack (1 set)	
B.1	Specifications	
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	Others	
	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
C.	UPS (1 unit)	
C.1	Specifications	
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	Warranty	
	At least one (1) Year	

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

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