



REPUBLIC OF THE PHILIPPINES
Department of Science and Technology
Philippine Atmospheric, Geophysical and
Astronomical Services Administration (PAGASA)
Science Garden, Agham Road, Diliman, Quezon City 1100

TERMS OF REFERENCE
for

SUPPLY AND DELIVERY OF 1 LOT ICT EQUIPMENT AND COMPUTER PERIPHERALS

1. MITHI ICT Refresh Program through DICT office provided to PAGASA in the purchase of ict requirements for upgrading of ICT equipment.
2. **Approved Budget of the Contract:** Two Million Six Hundred Twenty Five Thousand Pesos (**Php 2,625,000.00**) inclusive of Value Added Tax (VAT), custom duties, and other government Taxes.
3. **Qualifications of Bidders** – (Please refer to Section II. Instructions to Bidders, the Bid Data Sheet and Checklist of Eligibility Requirements)
4. **Submission of Bids** - All bids must be submitted not later than the certain date and time scheduled by the PAGASA-BAC or as agreed upon by the PAGASA-BAC and the bidders, whichever is applicable
5. **Bid Proposal Contents** - The prospective bidder is expected to comply and respond in accordance with the specific instructions of bidders and submit the document requirements under checklist of Eligibility, technical and financial requirements. The submission of documentary requirements must be properly arranged in order and with label.
6. **Place and Delivery Period** - The winning bidder shall complete the Supply, Delivery, installation and testing to PAGASA central office within 30 days from the date of issuance of the Notice to Proceed.
7. **Bid Validity** - The bid shall remain valid for a period of 120 calendar days from the date of bid.
8. **Warranty** - One (1) year warranty on hardware parts and services, 24 x 7 technical supports, either by email or phone.

9. Technical Specifications

7.1 List of Deliverables

Unit	Item Descriptions	Qty.
pc	High-end Scanner	1
pcs.	Portable Projectors	6
pcs.	Portable Scanners	5
pc.	Tablet PC	1
pcs.	LED Monitors 55 Inches	3
pcs.	LED Monitors 42 Inches	25
pcs.	Smart TV 32 Inches	5
pcs.	HDMI to VGA Converter	25
pcs.	UPS 1400VA	41
pcs.	External Hardisk 4TB	10
pcs.	Flash Drive 32GB	12

7.2 Technical Details

HIGH-END SCANNER

Type	Production Document Scanner
Document Feeding	Automatic or Manual
Document Size	Width: 2" – 12" Length: 2.8" -17"
Long Document Mode	up to 118.1"
Feeder Capacity	500sheets
Grayscale	8-bit
Color	24-bit
Scanning Element	Three-Line Contact Image Sensor
Light Source	RGB LED
Scanning Modes	Color, Grayscale, Black and White
Color Dropout	RGB and Custom
Optical Resolution	600dpi
Output Resolution	150/200/300/400/600dpi
Scanning speed	Simplex Grayscale : up tp 13-ppm Color : up to 130ppm Duplex grayscale : up to 260 ipm Color : up to 200 ipm
Interface	Hi-speed USB 2.0
Support OS	Windows 2000/XP/Windows Vista
Scanner Driver	ISIS/TWAIN
Dimensions	18.9" x 21.1" x 12.4" with trays closed
Weight	50lb
Power Consumption	95W or Less
Daily Volume	30,000Scans
(Bundle Software in CD format, power cord, Manual)	

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PORTABLE SCANNERS

Scanner Type	Mobile Scanner
Scanning Reslolution	600DPI (Horizontal x Vertical)
Scanning Range	216mm x 356mm
Paper Formats	Platic cards, Business cards, B5, A8, A6, A5 and A4
Application	Small & Compact, General Office
Light Source	Ready Scan LED Technology
Scanning Speed	Monochrome: 13 s/page – Color: 13 s/page Resolution: 200/300 dpi
Reliability DD Cycle	25 pages (DD Means Daily Duty)
Output Formats	JPEG, TIFF, multi-TIFF, PDF
Scanning Volume	200 pages per day
Interfaces	USB 2.0 Type Mini-B
Dimensions	276 x 50 x 37mm(WDH)
Weight	0.33kg
Compatible OS	Mac OS, Windows 7,8, 8.1, Window Vista and XP
(included carrying bag, set up guide, software (CD), USB Cable,User Manual (CD), Warranty document)	

PORTABLE PROJECTORS

Projector Type	Portable
3D Capable	Yes
Lamp Type	LED
Lamp Life Cycle	20000hours
Supported Memory Card	SD Memory Card
Class	Digital Projector
Type	DLP Projector
Min.Image size	29.9 in
Max.Image Size	100in
Resolution	1280 x 1280
Max.Resolution	1920 x 1080
Native Aspect Ratio	16:10
Brightness	1000ANSI lumens
Project Features	16:9 aspect ratio support, 4:3 aspect ratio support, built-in 1GB flash memory, wall color correction, Acer ColorSafe II Technology, Auto Power Off, Auto Vertical Keystone, DLP 3D Ready, DynamicBlack technology, High-bandwidth Digital Content Protection System (HDCP),MHL compliance,Smart Format Tech
Vertical Correction	-40/+40
Interfaces	HDMI USB Ports
Power Supply	100VAC – 240VAC
(Carry bag, power cord, battery for remote, Multimedia guide (CD-ROM), Remote Control, VGA Cable)	

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TABLET PC

Type	Booklet
Connection	Wifi + Cellular
Basic	OS: iOS, OS ver: iOS 10, Sim: Nano Sim CPU: A8 chip with 64 bit architecture M8 motion CPU Speed: 1.5GHz, Storage: 128GB, RAM: 2GB
Screen	Display Size: 7.9 inches, Resolution: 2048 x 1536
Network	Type: 2G, 3G, 4G (LTE)
Camera	Main Camera: 8MP
Dimensions	8 x 5.3 x 0.24 inches

LED MONITORS 55 INCHES

Screen Size	55 Inches
Panel Specifications	Resolutio 1920 x 1080 Display Type LED
Video	Aspect Ratio 6 Modes Picture Mode 8 Modes HDMI, Component, RF, 1080,1080p,720p
Audio	Audio Output Power 20W Optical Sound Syn - Yes Sounds Mode 6 Modes Speaker System 2ch Speaker System
USB	Audio - AC3 (Dolby Digital)EAC3, HE- AAC,MPEG,MP3,PCM Video - DivXHD Photo - JPEG
AV inputs/Outputs	Digital Audio Out (optical) – 1 rear USB 2.0 (1 side) RS232 (USB Port) 1 (no power on)
Power	Power Supply (100V-240V, 50/60Hz) Stanby Mode (0.3W)
Dimensions/Weight	TV with stand (WxHxD) 48.94" x 30.39" x 10.04" TV Weights - 40.6 lbs

(Remote, Manual, Connector and Cable)

LED MONITORS 42 INCHES

Screen Size	42 Inches
Display Features	Full HD Features
Display Type	42 Inches
Connectivity	HDMI, USB
Resolution	1920 x 1080
Number of Selectable Pictures Modes	8
Selectable Sound Modes	6
Number of Speaker	2
Audio Output	20 watts
Power Supply	50-60 Hz, AC 100-240V Hz

SMART TV 32 INCHES


Screen Size	32 Inches
Connectivity	Ethernet Inputs (1Bottom) HDMI inputs - 2 (1 rear/1 side) SmartPhone Connectivity – Screen mirroring Photo sharing HDMI-CEC - Yes Digital Audio outputs (1 rear) Composite Video Inputs)1 bottom)
Picture Panel	Display type - LCD Backlight – Direct LED Resolution (1366 x 768)
Audio	Audio Power Output - 5W + 5W Speaker Type - Open Baffle Speaker
Sound Processing	DTS Audio format – DTS 2.0 + Digital Output FM Radio – Yes
On Board Storage	4GB
Electronic Program Guide	Yes
Power and Energy	Power Consumption (45W) Power requirements (DC 19.5V)
Built-in Tuner	Number of Tuners (1 digital/analog)


(Remote, Cable, Manual, connectors)

UPS 1KVA

Output power capacity	700watts/1.4KVA
Nominal Output Voltage	230V
Transfer Time	8ms typical;10 mins maximum
Output Connections	(2) IEC 320 C13 Battery Backup
Nominal Input Voltage	230V
Input Voltage range	150 – 280V
Type of Input Protection	3 pole breaker
Number of Power Cord	2
Dimensions	H x W x D 21.5cm x 13cm x 33.6cm
Weight	12kg

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 Postal Address: P.O. Box 3278 Manila

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