



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
PHILIPPINE COCONUT AUTHORITY
Elliptical Road, Diliman, Quezon City 1101 Philippines Tel.
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<http://www.pca.da.gov.ph>

REQUEST FOR QUOTATION

The Philippine Coconut Authority (PCA), through its General Services Division, will undertake a Small Value Procurement posted in PhilGEPS with DBM REF no. 9510449 for the "SUPPLY AND DELIVERY OF ONE (1) UNIT DSLR CAMERA" in accordance with Section 53.9 of the Implementing Rules and Regulations Act No. 9184 with the following details.

ITEMS	ABC
SUPPLY AND DELIVERY OF ONE (1) UNIT DSLR CAMERA	₱60,000.00

The prospective bidder shall submit the following eligibility documents as prescribed below:


- a. SEC or DTI Registration certificate
- b. Mayor's Permit
- c. PhilGEPS Registration
- d. Prescribed Omnibus Sworn Statement

Financial proposal and complete set of eligibility documents shall be submitted in either of the following manner from February 24 to 28, 2023, 10:00 am:

1. Manual/physical submission in a sealed envelope at the General Services Division's office 5th floor, PCA R&D Building, Diliman Quezon City; or
2. Via online or electronic submission at pcaqc@yahoo.com

Attached is the Terms of Reference as "Annex A".

For inquiries, you may contact us at telephone no. 8-928-4501 to 09 loc. 406/408 or email us at pcaqc@yahoo.com


EDSEL B. PABELLANO
Division Chief
General Services Division

"A food-secure Philippines with prosperous farmers and fisherfolk"



TERMS OF REFERENCE

I. PROJECT AND LOCATION

PROJECT: SUPPLY AND DELIVERY OF ONE (1) UNIT DSLR CAMERA

LOCATION: PCA R&D Bldg, Elliptical Road, Quezon City

II. SCOPE OF WORK

Supply and delivery of one (1) unit of DSLR Camera with the following specifications:

Number of effective pixels	26.1 Megapixels
Image sensor	23.5mm×15.6mm (APS-C) X-Trans CMOS 4 with primary color filter.
Sensor Cleaning system	Ultra Sonic Vibration
Storage media	SD memory card (-2GB) / SDHC memory card (-32GB) / SDXC memory card (-512GB) UHS-I / UHS-II / Video Speed Class V90 *
File format	
Still image	JPEG (Exif Ver.2.3) ² , RAW : 14bit RAW(RAF original format), RAW+JPEG
Number of recorded pixels	L: (3:2) 6240 x 4160 / (16:9) 6240 x 3512 / (1:1) 4160 x 4160 M: (3:2) 4416 x 2944 / (16:9) 4416 x 2488 / (1:1) 2944 x 2944 S: (3:2) 3120 x 2080 / (16:9) 3120 x 1760 / (1:1) 2080 x 2080
Lens mount	FUJIFILM X mount
Sensitivity	Standard Output Sensitivity : AUTO1 / AUTO2 / AUTO3(up to ISO12800) / ISO160 to 12800(1/3 step) Extended output sensitivity : ISO80 /100 /125 / 25600 / 51200
Exposure control	TTL 256-zone metering, Multi / Spot / Average / Center Weighted
Exposure mode	P (Program AE) / A (Aperture Priority AE) / S (Shutter Speed Priority AE) / M (Manual Exposure)
Exposure compensation	-5.0EV ~ +5.0EV, 1/3EV step (movie recording : -2.0EV ~ +2.0EV)
Image Stabilizer	Supported with OIS type lenses
Shutter type	Focal Plane Shutter
Shutter speed	
Mechanical Shutter	P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min.
Electronic Shutter^{1,3}	P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: 1sec. Fixed
Electronic front curtain shutter	P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min.
Mechanical + Electronic shutter	P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: up to 60min.
E-front + Mechanical shutter	P mode: 4sec. to 1/8000sec. A mode: 30sec. to 1/8000sec. S/M mode: 15min. to 1/8000sec. Bulb mode: up to 60min. ¹ Electronic front curtain shutter works until 1/2000sec.
E-front + Mechanical + Electronic	P mode: 4sec. to 1/32000sec. A mode: 30sec. to 1/32000sec. S/M mode: 15min. to 1/32000sec. Bulb mode: up to 60min.

shutter	*Electronic front curtain shutter works until 1/2000sec, Mechanical shutter works until 1/8000sec.
Movie	FHD: 1/8000sec.-1/4sec. DCI4K/4K: 1/8000sec.-1/4sec. *Cannot choose slower shutter speed than framerate with DCI4K/4K 59.94p/50p or DCI4K/4K/FHD LongGOP recording.
Synchronized shutter speed for flash	1/250sec. or slower
Continuous shooting	Approx. 30fps [Only electronic shutter, 1.25 x Crop] (JPEG : 60 frames Lossless compression RAW : 35 frames Uncompressed RAW : 33 frames) Approx. 20fps [Only electronic shutter, 1.25 x Crop] (JPEG : 114 frames Lossless compression RAW : 37 frames Uncompressed RAW : 34 frames) Approx. 10fps [Only electronic shutter, 1.25 x Crop] (JPEG : 500 frames Lossless compression RAW : 48 frames Uncompressed RAW : 39 frames) Approx. 20fps [Only electronic shutter] (JPEG: 79 frames Lossless compression RAW: 36 frames Uncompressed RAW: 34 frames) Approx. 11fps (JPEG: 145 frames Lossless compression RAW: 42 frames Uncompressed RAW: 36 frames) Approx. 8.0fps (JPEG: 200 frames Lossless compression RAW: 49 frames Uncompressed RAW: 39 frames) Approx. 5.7fps (JPEG: endless Lossless Compression RAW: 62 frames Uncompressed RAW: 43 frames) Pre-shot: Approx. 30fps [Only electronic shutter, 1.25 x Crop] (max. 20 frames while half press, max. 20 frames after full press, total max. 40 frames) Pre-shot: Approx. 20fps [Only electronic shutter, 1.25 x Crop] (max. 20 frames while half press, max. 37 frames after full press, total max. 57 frames) Pre-shot: Approx. 10fps [Only electronic shutter, 1.25 x Crop] (max. 10 frames while half press, max. 300 frames after full press, total max. 310 frames) * Recordable frames depends on recording media * Speed of continuous shooting depends on shooting environment and shooting frames
Auto bracketing	AE Bracketing (Frames: -2, -3, +3, +2, +9, +7, +5, +3 Step: 1/3EV, 2/3EV, 1EV, 4/3EV, 5/3EV, 2EV, 7/3EV, 8/3EV, 3EV) Film Simulation bracketing (Any 3 types of film simulation selectable) Dynamic Range Bracketing (100%, 200%, 400%) ISO sensitivity Bracketing (±1/3EV, ±2/3EV, ±1EV) White Balance Bracketing (±1, ±2, ±3) Focus Bracketing (Frames: 1-999, Step: 1-10, Interval: 0-10s)
Focus	
mode	Single AF / Continuous AF / MF
type	Intelligent Hybrid AF (TTL contrast AF / TTL phase detection AF)
AF frame selection	Single point AF: EVF / LCD: 13×9 / 25×17 (Changeable size of AF frame) Zone AF: 3×3 / 5×5 / 7×7 from 117 areas on 13×9 grid Wide/Tracking AF: (up to 18 area)* AF-S: Wide / AF-C: Tracking All
White balance	Automatic Scene recognition / Custom1-3 / Color temperature selection (2500K~10000K) / Preset: Fine, Shade, Fluorescent light (Daylight), Fluorescent light (Warm White), Fluorescent light (Cool White), Incandescent light, Underwater
Self-timer	10sec. / 2sec.
Interval timer shooting	Yes (Setting : Interval, Number of shots, Starting time)
Flash modes	
SYNC. MODE	1ST CURTAIN / 2ND CURTAIN / AUTO FP(HSS) (excl. EF-X8)
FLASH MODE	TTL (TTL AUTO (P mode) / STANDARD / SLOW SYNC.) / MANUAL / COMMANDER / OFF (When EF-X8 is set) TTL (TTL AUTO (P mode) / STANDARD / SLOW SYNC.) / MANUAL / MULTI / OFF (When SHOE MOUNT FLASH is set)
Hot shoe	Yes (Dedicated TTL Flash compatible)
Viewfinder	0.5 inch approx. 3.69 millions dots OLED Color Viewfinder Coverage of viewing area vs. capturing area: approx. 100% Eyepoint: approx. 23mm (from the eyepiece lens) Diopter adjustment: -4~+2m-1 (lockable) Magnification: 0.75x with 50mm lens (35mm equivalent) at infinity and diopter set to -1m-1 Diagonal angle of view: approx. 38° (Horizontal angle of view: approx. 30°) Built-in eye sensor
LCD monitor	3.0 inch, aspect ratio 3:2, approx. 1.04 millions dots touch screen color LCD monitor(approx. 100% coverage)

Movie recording	
File format	MOV (MPEG-4 AVC/H.264, HEVC/H.265, Audio: Linear PCM / Stereo sound 24bit / 48KHz sampling)
Movie compression	All Intra/Long-GOP * All Intra can be used with following settings. DCI4K/4K 29.97p/25p/24p/23.98p 400Mbps Full HD(2048×1080)/Full HD(1920×1080) 59.94p/50p/29.97p/25p/24p/23.98p 200Mbps
File size / Frame rate / Recording time	[DCI 4K(4096×2160)] 59.94p/50p/29.97p/25p/24p/23.98p 400Mbps/200Mbps/100Mbps 59.94p/50p: up to approx. 20min. 29.97p/25p/24p/23.98p: up to approx. 30min [4K(3840×2160)] 59.94p/50p/29.97p/25p/24p/23.98p 400Mbps/200Mbps/100Mbps 59.94p/50p: up to approx. 20min. 29.97p/25p/24p/23.98p: up to approx. 30min [Full HD(2048×1080)] 59.94p/50p/29.97p/25p/24p/23.98p 200Mbps/100Mbps/50Mbps up to approx. 30min. [Full HD(1920×1080)] 59.94p/50p/29.97p/25p/24p/23.98p 200Mbps/100Mbps/50Mbps up to approx. 30min. [Full HD(1920×1080) High speed rec.] * For recording movies, use a SD memory card with UHS Speed Class 3 or higher. * For recording movies in 400Mbps, use a SD memory card with Video Speed Class 60 or higher. * Recording movies in 400Mbps can be done with DCI4K/4K 29.97p/25p/24p/23.98p. * DCI4K 59.94p/50p is not available when H.264 is selected.
Film Simulation mode	16 modes (PROVIA/Standard, Velvia/Vivid, ASTIA/Soft, Classic Chrome, PRO Neg.Hi, PRO Neg.Std, Black & White, Black & White+Ye Filter, Black & White+R Filter, Black & White+G Filter, Sepia, ACROS, ACROS+Ye Filter, ACROS+R Filter, ACROS+G Filter, ETERNA/Cinema) B & W Adjustment: -9+9
Grain effect	STRONG, WEAK, OFF
Color chrome effect	STRONG, WEAK, OFF
Dynamic range setting	AUTO, 100%, 200%, 400% ISO restriction (DR100%: No limit, DR200%: ISO320 or more, DR400%: ISO640 or more)
Advanced filter	Toy camera, Miniature, Pop color, High-key, Low-key, Dynamic tone, Soft focus, Partial color (Red / Orange / Yellow / Green / Blue / Purple)
Wireless transmitter	
Standard	IEEE 802.11b / g / n (standard wireless protocol)
Encryption	WEP / WPA / WPA2 mixed mode
Access mode	Infrastructure
Bluetooth®	
Standards	Bluetooth Ver. 4.2 (Bluetooth low energy)
Operating frequency [Center frequency]	2402 - 2480MHz
Terminal	
Digital interface	USB Type-C (USB3.1 Gen1)
HDMI output	HDMI micro connector (Type D)
Others	ø3.5mm, stereo mini connector (Microphone) / ø3.5mm, stereo mini connector (headphone) / ø2.5mm, Remote Release Connector Hot shoe, Synchronized terminal
Power supply	NP-W126S Li-ion battery (included)
Battery life for still images*4	Approx. 390 frames (NORMAL MODE) When XF35mmF1.4 R is set.

Actual battery life of movie capture*4	*Face detection is set to OFF [4K] approx. 40min. (29.97p) [Full HD] approx. 45min. (59.94p)
Continuance battery life of movie capture*4	*Face detection is set to OFF [4K] approx. 55min. (29.97p) [Full HD] approx. 75min. (59.94p)
Dimensions	132.5mm (W) x 92.8mm (H) x 58.8mm (D) (minimum depth 35.4mm)
Weight	Approx. 539g (including battery and SD memory card) Approx. 489g (excluding battery and SD memory card)
Operating Temperature	-10°C ~ +40°C
Operating Humidity	10 - 80% (no condensation)
Starting up period	Approx 0.3sec. * Fujifilm research
Accessories included	Li-ion battery NP-W126S USB cable Shoulder strap, Body cap Strap clip Protective cover Clip attaching tool Hot shoe cover Vertical Grip connector cover Connector cover (detachable) Sync terminal cover Cable protector

III. OTHER TERMS AND CONDITIONS

1. The prospective bidder shall submit the following eligibility documents as prescribed below:

- a. SEC or DTI Registration certificate
- b. Mayor's Permit
- c. PhilGEPS Registration
- d. Prescribed Omnibus Sworn Statement (notarized)

2. Financial proposal and complete set of eligibility documents shall be submitted in either of the following manner from February 24 to 28, 10:00 am:

a. Manual/physical submission in a sealed envelope at the General Services Division's office 5th floor, PCA R&D Building, Diliman Quezon City; or

b. Via online or electronic submission at pcaqc@yahoo.com

3. Warranty Period: 1 year after acceptance

4. Delivery and installation: 15 Working Days upon receipt of approved Purchase Order (P.O)

5. Payment terms: 30 days upon acceptance

Conforme:

Bidder's Authorize Representative

Date: _____