

## Terms of Reference for Supply of Video Camera

### 1. Background

Rwanda Association of Local Government Authorities (RALGA) is a membership organization established in 2002 by the districts of Rwanda to enable them to fulfil the responsibilities entrusted to them under the decentralization policy adopted in 2000. It was legally registered in 2003 as a non-governmental organization, and all 30 Districts and City of Kigali are members. Its vision is to have efficient local government entities where people and stakeholders are involved in the development, and its objective is to assist local government entities in achieving their mission, complying with principles of good governance and decentralization. RALGA has the mandate of building the capacity of local government entities, carrying out their advocacy and representing them.

With the purpose of documenting its activities pertaining to its mandate, RALGA wishes to acquire a professional camera. It is in this regard that RALGA is hereby soliciting bids from interested services providers.

### 2. Technical Specification of the camera

S/N	Item	Specifications	Quantity
1.	One	Digital Professional, 5D Mark IV, lens 24 to 105mm	1

#### *Imaging*

Camera Format	Full-Frame (1x Crop Factor)
Pixels	Actual: 31.7 Megapixel Effective: 30.4 Megapixel
Maximum Resolution	6720 x 4480
Aspect Ratio	1:1, 3:2, 4:3, 16:9
Sensor Type	CMOS
Sensor Size	36 x 24 mm
Image File Format	JPEG, RAW
Bit Depth	14-Bit
Image Stabilization	None

#### *Exposure Control*

ISO Sensitivity	Auto, 100 to 32000 (Extended: 50 to 102400)
Shutter Speed	Electronic Front Curtain Shutter 1/8000 to 30 SecondsBulb Mode
Metering Method	Evaluative, Partial, Spot
Exposure Modes	Aperture Priority, Auto, Manual, Shutter Priority
Exposure Compensation	-5 to +5 EV (1/3 EV Steps)
Metering Range	0 to 20 EV

White Balance	Auto, Cloudy, Color Temperature, Custom, Daylight, Flash, Fluorescent (White), Shade, Tungsten
White Balance	Up to 7 fps at 30 MP for up to 21 Exposures (Raw)
Continuous Shooting Interval Recording Self-Timer Mirror Lock-Up	Up to 7 fps at 30 MP for Unlimited Exposures Yes 2/10-Second Delay Yes

### Video

Recording Modes	M-JPEG 4:2:2 8-Bit DCI 4K (4096 x 2160) at 23.976p/24.00p/29.97p [500 Mb/s]MOV Full HD (1920 x 1080) at 59.94p [180 Mb/s] Full HD (1920 x 1080) at 23.976p/24.00p/29.97p [90 Mb/s] Full HD (1920 x 1080) at 59.94p [60 Mb/s] Full HD (1920 x 1080) at 23.976p/24.00p/29.97p [30 Mb/s] HD (1280 x 720) at 119.88p [160 Mb/s]MP4 Full HD (1920 x 1080) at 59.94p [60 Mb/s] Full HD (1920 x 1080) at 23.976p/24.00p/29.97p [30 Mb/s]
External Recording Modes Recording Limit Video Encoding ISO Sensitivity Audio Recording Audio File Format	Full HD (1920 x 1080) at 29.97p [12 Mb/s] Full HD (1920 x 1080) at 59.94p Full HD (1920 x 1080) at 23.976p/24.00p/29.97p Full HD (1920 x 1080) at 29.97p HD (1280 x 720) at 120p Up to 29 Minutes, 59 Seconds for DCI 4K (4096 x 2160) NTSC/PAL Auto: 100 to 32000 Built-In Microphone (Mono) External Microphone Input AAC, Linear PCM (Stereo)

### Focus

Focus Type	Auto and Manual Focus
Focus Mode	Continuous-Servo AF (C), Manual Focus (M), Single-Servo AF (S)
Autofocus Points	Phase Detection: 61 (41 Cross-Type)
Autofocus Sensitivity	-3 to +18 EV

### Viewfinder and Monitor

Viewfinder Type	Optical (Pentaprism)
Viewfinder Eye Point	21 mm
Viewfinder Coverage	100%
Viewfinder Magnification	Approx. 0.71x
Diopter Adjustment	-3 to +1
Monitor Size	3.2"
Monitor Resolution	1,620,000 Dot
Monitor Type	Fixed Touchscreen LCD

**Flash**

Built-In Flash	No
Maximum Sync Speed	1/200 Second
Flash Compensation	-3 to +3 EV (1/3, 1/2 EV Steps)
Dedicated Flash System	eTTL
External Flash Connection	Hot Shoe, PC Terminal

**Interface**

Memory Card Slot	Slot 1: SD/SDHC/SDXC (UHS-I) Slot 2: CompactFlash (UDMA 7)
Connectivity	3.5mm Headphone, 3.5mm Microphone, Canon N3, HDMI C (Mini), Micro-B (USB 3.0)
Wireless	Wi-Fi
GPS	Yes

**Environmental**

Operating Temperature	32 to 104°F / 0 to 40°C
Operating Humidity	0 to 85%

**Physical**

Battery	1 x LP-E6N Rechargeable Lithium-Ion, 7.2 VDC, 1865 mAh
Dimensions (W x H x D)	5.9 x 4.6 x 3" / 150.7 x 116.4 x 75.9 mm
Body Weight	1.76 lb / 800 g

**Lens**

Focal Length	24 to 105mm f/4L IS II USM
Maximum Aperture	f/4
Minimum Aperture	f/22
Lens Mount	Canon EF
Format Compatibility	Full-Frame
Angle of View	84° to 23° 20'
Minimum Focus Distance	1.48' / 45 cm
Maximum Magnification	0.24x
Optical Design	17 Elements in 12 Groups
Diaphragm Blades	10, Rounded
Focus Type	Autofocus
Image Stabilization	Yes
Filter Size	77 mm (Front)
Dimensions (ø x L)	3.29 x 4.65" / 83.5 x 118 mm
Weight	1.75 lb / 795 g
Packaging Info	2.415 lb
Package Weight	9.25 x 5.4 x 5.35"
Box Dimensions (LxWxH)	

## Administrative requirement

- Submission Letter;
- Copy of RDB Certificate;
- A valid certificate of Rwanda social Security Board (RSSB)
- Valid Tax clearance certificate from Rwanda Revenue Authority (RRA);
- Certificate of good completion from 3 previous clients


## Submission

The interested service provider fulfilling the above requirements shall address to RALGA Secretary General his/her offers and submit them to RALGA offices, in Masaka Sector, Kicukiro District, P.O.Box 7249 Kigali – Rwanda.

The deadline for submission is 17<sup>th</sup> March 2020 at 02:00 p.m. The opening of the bids shall take place the same day at 02:30 p.m.

For any additional information, send an email to [info@ralga.rw](mailto:info@ralga.rw).

Done at Kigali, on March 09<sup>th</sup>, 2020



**Ladislav NGENDAHIMANA**

Secretary General

