



Indian Institute of Technology Kanpur

Environmental Engineering Laboratory

Department of Civil Engineering

Professor Vinod Tare

Post Office: I.I.T Kanpur – 208016

Enquiry No- **CE/EEM/2015-16/DRONE/4**

Date: 11-03-16

Last Date: **March 17, 2016**

Sub: Call for quotation for **DJI Phantom 4 drone camera.**

Sealed Quotation(s) are invited (in Indian rupees) for the purchase of Phantom 4 drone camera

Details are as follows-

AIRCRAFT	
Weight (Including Battery)	1380 g
Max Ascent Speed	6 m/s (Sport mode)
Max Descent Speed	4 m/s (Sport mode)
Max Speed	20 m/s (Sport mode)
Max Service Ceiling Above Sea Level	19685 feet (6000 m)
Max Flight Time	Approx. 28 minutes
Operating Temperature Range	32° to 104° F (0° to 40° C)
Satellite Systems	GPS / GLONASS
Hovering Accuracy	Vertical: +/- 0.1 m (when Vision Positioning is active) or +/-0.5 m Horizontal: +/- 0.3 m (when Vision Positioning is active) or +/-1.5 m

OBSTACLE SENSING SYSTEM

Obstacle Sensory Range	2 - 49 feet (0.7 - 15 m)
Operating Environment	Surface with clear pattern and adequate lighting (lux > 15)

CAMERA

Sensor	1/2.3" Effective pixels:12 M
Lens	FOV (Field Of View) 94° 20 mm (35 mm format equivalent) f/2.8 focus at ∞
ISO Range	100 - 3200 (video) 100 - 1600 (photo)
Electronic Shutter Speed	8 s to 1/8000 s
Max Image Size	4000×3000
Still Photography Modes	Single shot Burst shooting: 3 / 5 / 7 frames Auto Exposure Bracketing (AEB): 3 / 5 bracketed frames at 0.7 EV Bias, Time-lapse, HDR
Video Recording Modes	UHD: 4096×2160 (4K) 24 / 25p 3840×2160 (4K) 24 / 25 / 30p 2704×1520 (2.7K) 24 / 25 / 30p FHD: 1920×1080 24 / 25 / 30 / 48 / 50 / 60 / 120p HD: 1280×720 24 / 25 / 30 / 48 / 50 / 60p
Max Video Bitrate	60 Mbps
Supported File Systems	FAT32 (≤ 32 GB); exFAT (> 32 GB)
Photo	JPEG, DNG (RAW)
Video	MP4 / MOV (MPEG – 4 AVC / H.264)
Supported SD Cards	Micro SD, Max capacity: 64GB. Class 10 or UHS-1 rating required
Operating Temperature	32° to 104° F (0° to 40° C)

CHARGER	
Voltage	17.4 V
Rated Power	100 W

Send sealed quotation(s) by 12.00 pm of **March 17, 2016** to the following address:-

Dr. Vinod Tare,
Environmental Engineering Laboratory (WL-116),
Department of Civil Engineering
IIT Kanpur-208016

Thanking You
Sincerely,

(Vinod Tare)