



भारत सरकार  
Government of India  
पृथ्वी विज्ञान मंत्रालय  
Ministry of Earth Sciences  
राष्ट्रीय तटीय अनुसंधान केन्द्र (एन सी सी आर)  
NATIONAL CENTRE FOR COASTAL RESEARCH (N C C R)



MoES/ICMAM-PD/CRAM/Equipment/Boat/75/2017

06.11.2019

To

You are invited to submit your most competitive quotation for the item as detailed below:

S.N	Item Description	Qty.
1.	Underwater Digital Camera With Necessary Accessories (Specification enclosed as Annexure -I)	2 Nos.

**Terms and conditions:**

1. The price should be in Indian Currency only.
2. All duties, taxes and other levies payable by the bidder under the contract shall be included in the total price with their details.
3. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
4. Quotations should be sent in the form of Single bid system in a sealed cover subscribed on the envelope with **reference No. & due date and Quotation for the supply of "Underwater Digital Camera with Necessary Accessories"**.
5. **OEM (Authorization certificate) / valid dealership certificate** and **Brochures** should be enclosed along with quotation.
6. Bidders are requested to enclose the **compliance sheet (Annexure -1)** with the bid after completing the compliance column.
7. Quotation shall remain valid for a period of not less than 180 days after the dead line date specified for submission.
8. Delivery: 2 weeks from the date of issue of confirmation of order.
9. Mode of Payment: 100% payment through ECS only.

You are requested to provide your offer latest by **5.00 PM on 25.11.2019** and send the quotation addressed to **Director, National Centre for Coastal Research (NCCR)**, NIOT Campus, II Floor, Velachery Tambaram Road, Chennai 600100.

  
Head of Office

## ANNEXURE-I

**TECHNICAL SPECIFICATION**

Specification for underwater digital camera along with necessary accessories:

SI No	Technical Description		Compliance Yes / No
1	Type	: Underwater Digital Camera (Without Casing) with necessary accessories.	
2	Effective Pixels	: More than 14MP	
3	Image sensors format/type	: RX/CMOS	
4	Lens	: More than 4x optical zoom	
5	Focal Length	: 4.3 to 21.5 mm	
6	Autofocus	: Contrast detected AF, Macro mode, [W]: Approx. 1 ft. 8 in. (50 cm.) to infinity, [T]: Approx. 1 ft. 8 in. (50 cm.) to infinity	
7	Digital Zoom Magnification	: Up to 4x	
8	Connectivity	: USB/Bluetooth/WiFi/GPS/HDMI Output	
9	Media Type	: SD card, SDHC, SDXC Internal memory.	
10	Video Recording	: Yes	
11	Sound Recording	: Yes	
12	File formats	: Still images: JPEG, Movies: MP4 (Video: H.264/MPEG-4 AVC, Audio: AAC stereo)	
	Storage file system	: DCF, Exif 2.31 compliant	
13	Still image	: >14 MP (4288 × 3216)	
14	Movie	: >3K(UHD), 1080/30p, 1080/25p, 1080/60p, 1080/50p, 720/30p, 720/25p, 480/30p, 480/25p, HS 480/4x, HS 1080/0	
15	Picture control system	: Manual mode, Standard, Auto modes, Underwater, Panorama, scene Landscape, Beach, special effects modes(night vision; Night portrait, night landscape, Time lapse movie, Super lapse movie.	
16	ISO Sensitivity	: ISO 125 to 1600, ISO 3200, 6400	
17	Shutter type	: Mechanical and CMOS electronic shutter	
18	Self timer	: 10 s, 2 s 5 s (self-portrait timer)	
19	Depth range	: Display range: Approx. 0 to 35 m (0 to 114 ft)	
20	Waterproof	: Yes (>20m)	
21	Dustproof	: Yes	
22	Shockproof	: Yes	
23	Power source	: Lithium ion Battery (included) with Adapter (available separately)	
24	Lightening system	: Backlighting, In built LED Light, Flash control, Multiple exposure lighten	
25	Weight	: Approx. 150g-250g	
26	Temperature	: 0°C to 40°C (for underwater use)	
27	Supplied accessories	: Battery Charger, Adapter, Camera strap for land use, Rechargeable Li-ion Battery, USB Cable, Brush	
28	Warranty	: 1 year	