

E-5

**PROCUREMENT OF GOODS
UNDER
SHOPPING PROCEDURES**

*(For Contracts valued less than the
equivalent of US \$30,000 each)*



INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS UNDER SHOPPING PROCEDURES

To

Dear Sir,

Sub: INVITATION FOR QUOTATIONS FOR SUPPLY OF SCIENTIFIC EQUIPMENTS

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Underwater DSLR Camera <i>2483</i>	Refer Annex – I	Refer Annex – I	30 – 45 days	NCSCM, Chennai	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Documents Establishing Bidder's Eligibility and Qualifications:

3.1 The Bidder shall furnish, as part of its quotation, following documents to establish the Bidder's eligibility to quote and its qualifications to perform the Contract if its quotation is accepted -

- (a) Bidder is manufacturer/agent authorized by the manufacturer/Authorized dealer;
- (b) The legal status, place of registration, place of business of the company, or firm or partnership;
- (c) In case of manufacturer:
 - (i) Details of Manufacturing unit;
 - (ii) Copy of Manufacturing license duly renewed up to date;
 - (iii) Copy of Capacity installation certificate;
- (d) In case of agent, Manufacturer's authorization to submit quotation on his behalf;
- (e) In case of authorized dealer, valid dealership certificate as on date of opening for the goods, for which quotation is being submitted;
- (f) Copy of Registration with Commercial Tax Authorities and TAN;
- (g) PAN with self attested copy of PAN; Satisfactory performance report from at least 2 clients in India or developed countries stating that he has supplied, installed and commissioned satisfactorily at least 100 % of the quantity similar to the type specified in the "Schedule of Requirements" in any one of the past three financial years i.e. 2013 - 14 to 2015 - 16, which must be in satisfactory operation for at least 12 months on the date of opening of quotations.



The bidders should furnish the above information along with prescribed format attached. (Attachment 1)

4. **Bid Price**

- a) The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
- b) All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- c) Sales tax in connection with the sale shall be shown separately.
- d) 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.
- e) The Prices shall be quoted in Indian Rupees only.

5. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

6. **Validity of Quotation**

Quotation shall remain valid for a period not less than 90 days after the deadline date specified for submission.

7. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) Are properly signed;
- (b) Conform to the terms and conditions, and specifications and
- (c) Has submitted all the documents asked for in 3 above

The Quotations would be evaluated for all the items together.

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

8. **Documents Establishing Goods' Conformity to Bidding Documents**

- a The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature or drawings or any other documentary proof.



9. **Award of contract**

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

9.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

9.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order.

10. Payment shall be made immediately after delivery of the goods.

11. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

12. You are requested to provide your offer latest by 15/05/2018 hours on 11.00AM.

13. We look forward to receiving your quotations and thank you for your interest in this project.

(Purchaser)

Name: 

Address:

Tel. No.

Fax No.



FORMAT OF QUOTATION *

Item No.	Description of the goods	Quantity	Unit	Quoted unit price for delivery up to destination	Unit Cost of Incidental Services (Rs)	Total Unit cost (Rs.) [Col(5+6)]		Amount (Rs.) [Col(3x7)]	Sales and other taxes payable
						In Figures	In words		
1	2	3	4	5	6	7	8	9	10
Item 1									
2									

Gross Total Cost: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. (amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warranty/guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive agreements with competitors.

Signature of Supplier



Attachment 1

Format of Performance Statement for the last three years to be submitted by the Bidder

IFQ No.....

Name of Bidder.....

Order placed by (Full address of Purchaser)	Order No. and date	Description and quantity of equipment ordered	Value of order (Rs.)	Date of completion of delivery As per contract/ Actual or revised	Quantity of supplies made as on date	Additional supplies to be made in the period of this contract	Remarks indicating reason for late delivery, if any	Has the equipment been satisfactorily functioning (Attach a certificate from the Purchaser)
1	2	3	4	5	6	7	8	9



1. Specifications for a DSLR camera with underwater capability with housing

- Type
 - Single-lens reflex digital camera

- Lens mount
 - Suitable to 16-80 mm f/2.8 or 18-70mm f/2.8 or equivalent

- Effective angle of view
 - focal length in 35 mm [135] format

- Image sensor type
 - CMOS

- Sensor size
 - 23.5mm, x15.7mm

- Total pixels
 - 20 -24 million

- Dust-reduction system
 - Image sensor cleaning, Image Dust Off reference data Effective pixels
 - 20.9million

- Image size (pixels)
 - Variable from (L)5568, x3712, (M)4176, x2784, (S)2784, x1856, 1.3x (18x12) image areaPhotographs taken during movie recording at a frame size of 3840 x 2160: 3840 x 2160

- File format
 - RAW, JPEG, TIFF etc

- Picture Control system
 - Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat, selected
 - Picture Control can be modified; storage for custom Picture Controls



- Media
- XQD, SD, SDHC (UHS-II compliant), SDXC (UHS-II compliant)

- Card slot
- 1 XQD card and 1 Secure Digital (SD) card, Either card can be used for primary or backup storage or for separate storage of NEF (RAW) and JPEG images; pictures can be copied between cards.

- File system
- DCF 2.0, Exif 2.3, PictBridge

- Viewfinder
- Eye-level pentaprism single-lens reflex viewfinder

- Frame coverage
- image area: Approx. 100% horizontal and 100% vertical, 1.3x (18x12) image area: Approx. 98% horizontal and 98% vertical

- Magnification
- Approx. 1.0 x (50 mm f/1.4 lens at infinity, $-1.0 \text{ m}^{\text{sup}(-1)}$)

- Eyepoint
- 16mm ($-1.0 \text{ m}^{\text{sup}(-1)}$); from center surface of viewfinder eyepiece lens) or equivalent

- Focusing screen
- screen with AF area brackets (framing grid can be displayed)

- Reflex mirror
- Quick-return type

- Depth-of-field preview
- Pressing Pv button stops lens aperture down to value selected by user (A and M modes) or by camera (P and S modes)



- Lens aperture
- Instant return, electronically controlled

- Shutter
- Electronically-controlled vertical-travel focal-plane mechanical shutter; electronic front-curtain shutter available in mirror up release mode

- Speed
- 1/8000 to 30s, in steps of 1/3, 1/2, or 1 EV, bulb, time, X250 or similar

- Flash sync speed
- X=, 1/250s; synchronizes with shutter at 1/250 s or slower

- Modes
- S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), Self-timer, MUP (mirror up), Qc (quiet continuous shutter-release)

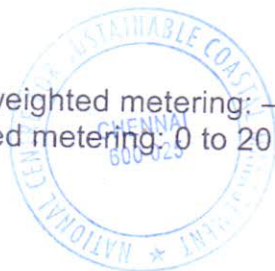
- Approximate frame advance rate
- 10fps, CL: 1 to 9 fps CH: 10 fps QC: 3 fps
-

- Self-timer
- 2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s
-

- Metering system
- TTL exposure metering using RGB sensor with approximately 180K (180,000) pixels

- Metering method
- Standard for DSLR

- Range
- (ISO 100, f/1.4 lens, 20 °C/68 °F) Matrix or center-weighted metering: -3 to +20 EV Spot metering: 2 to 20 EV Highlight-weighted metering: 0 to 20 EV



- Mode
- Programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M)

- Exposure lock
- Luminosity locked at detected value

- ISO sensitivity (Recommended Exposure Index)
- ISO100to, 50000, or similar range with auto controller
- Active D-Lighting
- To be selected from Auto, Extra high, High, Normal, Low, or Off

- Autofocus system
- Multi-CAM autofocus sensor module with TTL phase detection, with fine-tuning,

- Lens servo
- Suitable for self motored and non-motored

- Focus point
- 55 or more

- Focus lock
- Focus should be locked by pressing shutter-release button halfway (single-servo AF) or by pressing the center of the sub-selector

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- Flash compensation
- -3 to +1 EV in steps of 1/3, 1/2 or 1 EV

- Flash-ready indicator
- Lights when optional flash unit is fully charged; flashes after flash is fired at full output



- Accessory shoe
 - suitable hot-shoe with sync and data contacts and safety lock

 - Bracketing types
 - Exposure, Flash, White balance, ADL

 - Modes
 - Photo live view, Movie live view

 - Lens servo
 - Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (M)

 - AF-area mode
 - Face-priority AF, Wide-area AF, Normal-area AF, Subject-tracking AF

 - Autofocus
 - Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)

 - Metering
 - TTL exposure metering using main image sensor
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- Frame size (pixels) and frame rate
 - 3840 x 2160 (4K UHD); 30p (progressive), 25p, 24p 1920 x 1080; 60p, 50p, 30p, 25p, 24p 1280 x 720; 60p, 50p. High quality to be available at all frame sizes, normal quality available at all sizes except 3840 x 2160

 - File format
 - MOV

 - Video compression
 - H.264/MPEG-4 Advanced Video Coding



- Audio recording format
- Linear PCM

- Audio recording device
- Built-in stereo or external microphone; sensitivity adjustable

- Wi-fi - Standard
- Bluetooth- Standard

- Monitor size
- 8cm (3.2-in.) diagonal or more

- Monitor resolution
- Approx.2359k-dot, tilting TFT touch-sensitive LCD with 170° viewing angle, approximately 100% frame coverage, and manual monitor brightness control

- Playback
- Full-frame and thumbnail (4, 9, or 72 images) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and IPTC information embedding and display

- USB connector
- SuperSpeed USB (USB 3.0 Micro-B connector), connection to built-in USB port is recommended

- HDMI output connector
- Type C HDMI connector

- Audio input
- Stereo mini-pin jack (3.5mm diameter; plug-in power supported)

- Audio output
- Stereo mini-pin jack (3.5mm diameter)

- Ten-pin remote terminal



- To be used to connect optional remote control, WR-R10 (requires WR-A10 adapter) or WR-1 wireless remote controller, GP-1/GP-1A GPS unit, or GPS device compliant with NMEA0183 version 2.01 or 3.01 (requires MC-35 GPS adapter cord and cable with D-sub 9-pin connector)

 - Standards
 - IEEE 802.11b, IEEE 802.11g

 - Security
 - Authentication: Open system, WPA2-PSK

 - Operation
 - NFC Forum Type 3 Tag

 - Communication protocols
 - Bluetooth Specification Version 4.1

 - Supported languages
 - English

 - Battery
 - One rechargeable Li-ion EN-EL15 battery

 - AC adapter
 - EH-5b AC adapter; requires EP-5B power connector (available separately)
-
- Tripod socket
 - 1/4-in. (ISO 1222)

 - Weight
 - Approx. 900 g with battery and XQD memory card

 - Operating environment



- Temperature: 0 °C to 40 °C (+32 °F to 104 °F) Humidity: 85% or less (no condensation)
- Compatibility: Standard housing for underwater photography accessories
- Body Cap BF-1B, Rechargeable Li-ion Battery EN-EL15 with terminal cover, Battery Charger MH-25a (comes with either an AC wall adapter or power cable of a type and shape that varies with the country or region of sale), USB Cable Clip, HDMI Cable Clip, USB Cable UC-E22, Strap AN-DC17

2. Lens

16-80mm f/2.8-4 or similar range with Image Stabilization/Vibration reduction with self motored focusing . silent and non-silent types to be quoted separately

3. Underwater Housing

Underwater housing suitable to the above DSLR camera with lens (including zoom lenses of 70-300mm) with vacuum pump circuitry, steel brackets and TTL

4. Warranty :

Standard Manufacturer's Warranty.

5. Quantity : 1 no.



GPS (Marine GPS)	
Battery	NiMH or Li Rechargeable
Waterproofing	Floating type IPX7 or above
Water float	Yes
In-build Memory	1GB or above
Compass	With electronic Compass-3axis
External Memory	MicroSD™ card slot
Gross weight (including batteries)	Max. 300 gm
Tide tables	Yes
Barometric altimeter:	Yes
Base map	Yes, with ability to add additional base maps.
Battery hours	16 hours or above
Sun and Moon info	Yes
External memory support	Yes, MicroSD
Road navigation	Yes
Satellite image overlay	Yes
Hotfix satellite prediction	Yes
Wireless data transfer	Yes
Display type	Transreflective

Qty

1 NO.

Warranty

Standard Manufacturer's Warranty.

