



Government of India
Ministry of Health and Family Welfare
CENTRAL LEPROSY TEACHING AND RESEARCH INSTITUTE
CHENGALPATTU – 603 001

Director ☎ 27426275,

Officer i/c Stores ☎ 044-27429987

Email: oics.cltri@nic.in

No.F5-13/2017 CS

Date: 26.02.2018

To

All reputed Firms/Suppliers

Sub: - Open quotation for supply of Electronic equipments – Reg.

Ref:- This Institute Quotation No.16/F5-13/2017 CS dated 26.02.2018

Sir,

1. Please submit your lowest quotation / rates for supply of the following electronic equipments for the use in this Institute Operation Theatre as per our required specification subject to the following terms and condition.

| Item No. | Item Name | Specification | Rate per Qty (in Rs.) |
|----------|--------------------------|--------------------------------------|--------------------------|
| 1 | SLR Camera | Annexure-I (Page 1 to 4) is enclosed | |
| 2 | Camcorder Video Recorder | Annexure-I (Page 5 to 8) is enclosed | |

2. Submit/send your estimate/quotation along with exact specification and catalogue in a sealed cover super scribing as **“Open quotation for supply of Electronic equipments – Quotation No.16/F5-13/2017 CS dated 26.02.2018”** latest by **9th March, 2018**. Quotation without catalogue and after the due date will not be entertained.

3. **Important Note:**

- (1) Only branded items will be accepted. Minimum two brands should be quoted.
- (2) Required specification or higher specification will be considered.
- (3) If any unbranded item quoted by bidder, the quotation will be rejected strictly.

Officer in-charge (Stores)

TERMS AND CONDITONS:

1. Rate should be quoted for per quantity only and if any GST exists which should be quoted separately. Item available in stock and can be supplied immediately on receipt of order. In case of high precision instruments the firms should have a guarantee certificate for their satisfactory performance.
2. Minimum three brands should be quoted.
3. The goods on receipt will be inspected and payment will be made only for the accepted number after satisfaction of the equipment.
4. This institute is exempted from payment of S.T/VAT on purchase made within the state vide G.C.P.2280 Revenue dated 30.4.1973.
5. No insurance charges are payable as per the rules in the Government. As such, the firms before quoting should take into consideration all the risks in the transit and then furnish quotations. If any point is raised as regards insurance charges after orders and issued, the same will not be entertained and the firms thereafter should effect the supply at their own cost.
6. Rates should be quoted F.O.R Chengalpattu.
7. Delivery period as per schedule in our Supply Order.
8. The Director shall have the right of rejecting the quotations in whole or part without assigning any reason therefore.
9. Copy of MSDS wherever applicable should be provided with the supply.
10. A certificate to the effect that the rates quoted are equal or lesser than the market price and below the MRP.

Copy to:-

1. Computer Section (Through Dy. Dir Epid. & Stats) – to upload this quotation in our website
2. Central Govt. Tender Portal
3. Office Notice Board
4. Office File/CS

Officer in-charge (Stores)

Computer section
Ph upload
SRB
1/3/18

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Annexure-I

Specification for SLR Camera

| | |
|-------------------------|--|
| Type | Single-lens reflex digital camera |
| Lens mount | Nikon F mount (with AF contacts) |
| Effective angle of view | Nikon DX format; focal length equivalent to approx. 1.5x that of lenses with FX format angle of view |
| Image sensor format | DX |
| Image sensor type | CMOS |
| Sensor size | 23.5 mm x 15.6 mm |
| Total pixels | 24.72 million |
| Dust-reduction system | Image Dust Off reference data (Capture NX-D software required) |
| Effective pixels | 24.2 million |
| Image size (pixels) | (L) 6000 x 4000 (M) 4486 x 3000 (S) 2992 x 2000 |
| File format | NEF (RAW): 12 bit, compressed JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats |
| Picture Control system | Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat ; selected Picture Control can be modified |
| Media | SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant) |
| Card slot | Single |
| File system | DCF 2.0 Exif 2.3 PictBridge |
| Viewfinder | Eye-level pentamirror single-lens reflex viewfinder |
| Frame coverage | Approx. 95% horizontal and 95% vertical |

Contd.... (2)

Specification for SLR Camera

| | |
|---|---|
| Magnification | Approx. 0.85 x (50 mm f/1.4 lens at infinity; -1.0 m ⁽¹⁾) |
| Eyepoint | 16 mm (-1.0 m ⁽¹⁾ ; from center surface of viewfinder eyepiece lens) |
| Diopter adjustment | -1.7 to +0.5 m ⁽¹⁾ |
| Focusing screen | Type B BriteView Clear Matte Mark VII screen |
| Reflex mirror | Quick return |
| Lens aperture | Instant return, electronically controlled |
| Autofocus support | Autofocus is available with AF-P and type E and G AF-S lenses. |
| Type | Electronically-controlled vertical-travel focal-plane shutter |
| Speed | 1/4000 to 30 s in steps of 1/3 EV; Bulb; Time |
| Flash sync speed | X=1/200 s; synchronizes with shutter at 1/200 s or slower |
| Modes | S (single frame), Continuous, Q (quiet shutter-release), Self-timer, Remote |
| Frame advance rate | Up to 5 fps Note: Frame rates assume manual focus, manual or shutter-priority auto exposure, a shutter speed of 1/250 s or faster, and other settings at default values. |
| Self-timer | 2 s, 5 s, 10 s, 20 s; 1-9 exposures |
| Remote control modes | Delayed remote: ML-L3; quick-response remote: ML-L3 |
| Metering system | TTL exposure metering using 420-pixel RGB sensor |
| Metering method | Matrix metering: 3D color matrix metering II (type E and G lenses) Center-weighted metering: Weight of 75% given to 8-mm circle in center of frame Spot metering: Meters 3.6-mm circle (about 2.5% of frame) centered on selected focus point |
| Range | (ISO 100, f/1.4 lens, 20 °C/68 °F) Matrix or center-weighted metering: 0-20 EV Spot metering: 2-20 EV |
| Exposure meter coupling | CPU |
| Mode | Auto modes (auto, auto, flash off); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); scene modes (portrait; landscape; child; sports; close up; night portrait); special effects modes (night vision; super vivid; pop; photo illustration; toy camera effect; miniature effect; selective color; silhouette; high key; low key) |
| Exposure compensation | Can be adjusted by -5 to +5 EV in steps of 1/3 EV in P, S, A, M, scene, and night vision modes |
| Exposure lock | Luminosity locked at detected value with AE-L/AF-L button |
| ISO sensitivity (Recommended Exposure Index) | ISO 100 to 25600 in steps of 1 EV Auto ISO sensitivity control available |

Specification for SLR Camera

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|--------------------------------------|---|
| Active D-Lighting | On, off |
| Autofocus system | Nikon Multi-CAM 1000 autofocus sensor module with TTL phase detection, 11 focus points (including one cross-type sensor), and AF-assist illuminator (range approx. 0.5 to 3 m/1 ft 6 in. to 9 ft 10 in.) |
| Detection range | -1 to +19 EV (ISO 100, 20 °C/68 °F) |
| Lens servo | Single-servo AF (AF-S), Continuous-servo AF (AF-C), Auto AF-S/AF-C selection (AF-A), predictive focus tracking activated automatically according to subject status Manual focus (MF) Electronic rangefinder can be used |
| Focus point | Can be selected from 11 focus points |
| AF-area mode | Single-point AF, dynamic-area AF, auto-area AF, 3D-tracking (11 points) |
| Focus lock | Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button |
| Built-in flash | Auto, portrait, child, close up, night portrait, super vivid, pop, photo illustration, toy camera effect; Auto flash with auto pop-up R, S, A, M; Manual pop-up with button release |
| Guide number | Approx. 7/22, 8/26 with manual flash (m/ft, ISO 100, 20 °C/68 °F) |
| Control | TTL: i-TTL flash control using 420-pixel RGB sensor is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR with spot metering |
| Mode | Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off |
| Flash compensation | -3 to +1 EV in steps of 1/3 EV in P, S, A, M, and scene modes |
| Flash-ready indicator | Lights when built-in flash or optional flash unit is fully charged; flashes after flash is fired at full output |
| Accessory shoe | ISO 518 hot-shoe with sync and data contacts and safety lock |
| Nikon Creative Lighting System (CLS) | Nikon CLS supported |
| Sync terminal | AS-15 sync terminal adapter (available separately) |
| White balance | Auto, incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual, all except preset manual with fine-tuning |
| Lens servo | Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (MF) |
| 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) |
| Automatic scene selection | Available in auto and auto, flash off modes |
| Metering | TTL exposure metering using main image sensor |
| Metering method | Matrix |
| Frame size (pixels) and frame rate | 1920 x 1080: 60p (progressive), 50p, 30p, 25p, 24p 1280 x 720: 60p, 50p Actual frame rates for 60p, 50p, 30p, 25p, and 24p are 59.94, 50, 29.97, 25, and 23.976 fps respectively. Options support both high and normal image quality |
| File format | MOV |

Specification for SLR Camera

| | |
|--------------------------------|--|
| Video compression | H.264/MPEG-4 Advanced Video Coding |
| Audio recording format | Linear PCM |
| Audio recording device | Built-in monaural microphone; sensitivity adjustable |
| ISO sensitivity | ISO 100–25600 |
| Monitor size | 7.5 cm (3-in.) diagonal |
| Monitor type | TFT LCD with 170° viewing angle, approx. 100% frame coverage, and brightness adjustment |
| Monitor resolution | Approx. 821 k-dot (VGA) |
| Playback | Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, playback zoom cropping, playback face zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, auto image rotation, picture rating, and image comment (up to 36 characters) |
| USB connector | Hi-Speed USB with Micro-USB connector; connection to built-in USB port is recommended |
| HDMI output connector | Type C HDMI connector |
| Communication protocols | Bluetooth Specification Version 4.1 |
| Range (line of sight) | Approximately 10 m (32 ft) without interference; range may vary with signal strength and presence or absence of obstacles |
| Supported languages | Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese |
| Battery | One EN-EL14a rechargeable Li-ion battery |
| AC adapter | EH-5b AC adapter; requires EP-5A power connector (available separately) |
| Dimensions (W x H x D) | Approx. 124 x 98 x 75.5 mm (4.9 x 3.9 x 3 in.) |
| Weight | Approx. 445 g (15.7 oz.) with battery and memory card but without body cap; approx. 305 g/14 oz (camera body only) |
| Operating environment | Temperature: 0 °C to 40 °C (+32 °F to 104 °F) Humidity: 85% or less (no condensation) |
| Supplied accessories | EN-EL14a rechargeable Li-ion battery (with terminal cover), MH-24 battery charger (plug adapter supplied in countries or regions where required; shape depends on country of sale), DK-25 rubber eyecup, BF-1B body cap, AN-DC3 strap |

1. Unless otherwise stated, all measurements are performed in conformity with Camera and Imaging Products Association (CIPA) standards or guidelines. All figures are for a camera with a fully-charged battery. Nikon reserves the right to change the appearance and specifications of the hardware and software described in these specifications at any time and without prior notice. Nikon will not be held liable for damages that may result from any mistakes that these specifications may contain.

