



NATIONAL INSTITUTE OF MENTAL HEALTH AND NEURO SCIENCES
(Institute of National Importance), Bengaluru- 560 029

राष्ट्रीय मानसिक स्वास्थ्य और तंत्रिका विज्ञान संस्थान, (राष्ट्रीय महत्व संस्थान), बेंगलूरु - 560 029
ರಾಷ್ಟ್ರೀಯ ಮಾನಸಿಕ ಆರೋಗ್ಯ ಮತ್ತು ನರ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ, (ರಾಷ್ಟ್ರೀಯ ಪ್ರಾಮುಖ್ಯತಾ ಸಂಸ್ಥೆ), ಬೆಂಗಳೂರು - 560 029

Phone 26995023/5913/5923/5024/5025/5780 Website <http://www.nimhans.ac.in/tender>
Fax 080-26571563/26564830/2121/6811 E-mail aaos@nimhans.ac.in



PURCHASE SECTION

STR-D3/EQPT/VC/ /NP/2020-21

October 26, 2020

LIMITED TENDER ENQUIRY

Sub: Limited Tender Enquiry towards supply of Video Camera – 01 No. with accessories

Dear Sir/Madam,

With reference to the subject cited above, kindly make arrangements to submit your **tender bids (both technical & price bids i.e. two bid system)** in separate sealed covers for supply of the following items, as detailed below addressed to **“I/C Administrative Officer (S), Purchase Section, NIMHANS, Hosur Road, Bengaluru – 560 029”** before 4 PM on 26.11.2020 (due date). An early compliance is requested. Kindly go through the specifications in Page Nos. 2 – 4 and terms & conditions in Page Nos. 4 – 5 without fail.

Sl. No.	Description/Specification	Quantity
1.	VIDEO CAMERA	01 No.
2.	DJI RONIN-S Handheld Gimbal	01 No.
3.	Nikon EN-EL15b Battery	01 No.
4.	Dji Osmo Mobile -4 Smartphone Stabilizer	01 No.
5.	Zhiyun Crane-2 Gimbal 3axis	01 No.
6.	OCTOVA Ring Light 18 inch with Stand 55W 5500K	02 Nos.

Sd/-
Registrar

For technical clarifications, contact:

Dr. Yasha T.C.,
The Prof. & Head,
Department of Neuropathology
Mob: 9980 135 562, Ph: 080-2699 5133/5880
Email: yasha_muthane@yahoo.co.in



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Specifications for Video Camera – 01 No. with accessories:-

[SONY PXW-Z90 XDCAM broadcast quality 4K with advanced features such as high-speed auto focus, Instant HDR workflow, up to 960fps*/1000fps** super-slow motion and streaming via Wi-Fi]

1] TECHNICAL SPECIFICATIONS:-

Lens Mount Fixed

Zoom Ratio 12x (optical), servo

Focal Length f = 9.3 - 111.6mm

equivalent to f=29.0 - 348.0mm on 35 mm lens (16:9), equivalent to f=32.8 - 393.6mm on 35mm lens(3:2),

Iris F2.8 - F4.5, auto/manual selectable,

Focus AF/MF selectable, 10 mm to ∞ (Wide), 1000 mm to ∞ (Tele)

Image Stabilizer ON/OFF selectable, shift lens,

Filter Diameter M62 mm

A] CAMERA SECTION:-

Imaging Device (Type) -1.0-type (13.2mm x 8.8mm) back-illuminated Exmor RS CMOS sensor

Effective Picture Elements- Approx.14.2M pixels(16:9)/Approx.12.0M pixels(3:2)

Built-in Optical Filters- OFF: Clear, 1: 1/4ND, 2: 1/16ND, 3: 1/64ND

Minimum Illumination Standard [60i] 3lux(1/60 Shutter Speed, gain 33dB), Standard [50i] 3lux(1/50 Shutter Speed, gain 33dB), LowLux [60i] 1.7lux(1/30 Shutter Speed, gain 33dB)

LowLux [50i] 1.7lux(1/25 Shutter Speed, gain 33dB)

Shutter Speed

[60i]: 1/8 - 1/10,000, (1/6 - 1/10,000 when shooting with 24p), [50i]: 1/6 -1/10,000

Slow & Quick Motion Function

[60i]:2160p:Frame rate selectable 1,2,4,8,15,30fps

[50i]:2160p:Frame rate selectable 1,2,3,6,12,25fps

[60i]:1080p:Frame rate selectable 1,2,4,8,15,30,60,120fps

[50i]:1080p:Frame rate selectable 1,2,3,6,12,25,50,100fps

Super Slow Motion

[60i]:1080p: Frame rate selectable 240,480,960fps,

[50i]:1080p: Frame rate selectable 250,500,1000fps

White Balance

Preset (Indoor: 3200K, Outdoor: 5600K±7 steps, Color temperature set range: 2300-15000K)

Onepush A, B, Auto selectable

Gain -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33 dB, AGC

Gamma Curve Selectable

Streaming -Protocol AVC / RTMP / RTMPS, 1280x720 at 3Mbps, 640x360 at 1Mbps

Input/Output

Audio Input

XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable

Video Output

Integrated into Multi/Micro USB jack (x1), Composite 1.0Vp-p, 75Ω



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Audio Output

Integrated into Multi/Micro USB jack

SDI Output

BNC (x1), 3G/HD/SD

SMPTE 424M/292M/259M standards

USB Multi/Micro USB jack (x1)

Headphone Output Stereo mini jack (x1)

Speaker Output Monaural

DC Input, DC jack, Remote, Integrated into Multi/Micro USB jack, Stereo mini-mini jack (Φ2.5mm)

HDMI Output Type A (x1)

Monitoring Viewfinder, 1.0cm (0.39 type OLED, Approx. 2.36M dots)

LCD 8.8cm (3.5 type), Approx. 1.56M dots

Built-in Microphone- Omni-directional stereo electret condenser microphone

Media Type-

Memory Stick Pro Duo™ and SD/SDHC/SDXC compatible x1 SD/SDHC/SDXC x1

Wi-Fi/NFC Supported format- IEEE 802.11 a/b/g/n/ac

Frequency band 2.4 GHz bandwidth, 5.2/5.3/5.6/5.8 GHz bandwidth*

* Depending on country / regional regulation and only on PXW-Z90V SKU.

Security WEP/WPA-PSK/WPA2-PSK, **NFC** NFC Forum Type 3 Tag compliant

Recording Format (Video)

XAVC QFHD : MPEG-4 AVC/H.264 4:2:0 Long profile, XAVC HD : MPEG-4 AVC/H.264 4:2:2 Long profile,

XAVC Proxy : MPEG-4 AVC/H.264 4:2:0 Long profile,

MPEG HD, AVCHD : MPEG-4 AVC/H.264 AVCHD 2.0 format compatible

Recording Format (Audio)

XAVC QFHD, XAVC HD XAVC Proxy, MPEG HD, AVCHD : Linear PCM 2ch, 16bit, 48kHz / Dolby Digital 2ch, 16bit, 48kHz

Recording Frame Rate

XAVC QFHD (3840 x 2160) @29.97p, 25p, 23.98p 100Mbps/60Mbps

XAVC HD (1920 x 1080) @59.94p, 50p, 29.97p, 25p, 23.98p, 50Mbps/35Mbps

XAVC HD (1920 x 1080) @59.94i, 50i, 50Mbps/35Mbps/25Mbps

XAVC HD (1280 x 720) @59.94p, 50p, 50Mbps

XAVC Proxy 1280 x 720, XAVC Proxy 640 x 360

MPEG HD422, MPEG HD420 1920 x 1080

Recording Frame Rate (Cont.) MPEG HD420, MPEG HD Proxy, AVCHD

Supplied Accessories

XLR handle unit (1), Lens hood (1), Lens cap (1), Large eyecup (1), Accessory shoe kit (1),

USB cable (1), Rechargeable battery pack (NP-FV70A) (1),

AC Adaptor (AC-L200D) (1), Power cord (mains lead) (1)

Wireless Remote Commander (RMT-845) (1), Lithium battery (CR2025 for the Wireless Remote Commander) (1),

Pre-installed to the Wireless Remote Commander,

Operating Guide (2), CD-ROM "Manuals for Solid-State Memory Camcorder" (1)

Warranty (1)



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Other Accessories Required:-

- B] DJI RONIN-S Handheld Gimbal
- C] Nikon EN-EL15b Battery
- D] Dji Osmo Mobile -4 Smartphone Stabilizer
- E] Zhiyun Crane-2 Gimbal 3axis
- F] OCTOVA Ring Light 18 inch with Stand 55W 5500K
Dimmable LED kit AC Powered, Ring Light with Stand,
for Camera, Smartphone, Youtube, Self Portrait shooting

Only companies with Local office in Bangalore will be considered for providing Repair/service at short notice.

Warranty- 5 YEARS

Terms & Conditions

1. The tender is of **Two bid system, i.e. Technical Bid** (Technical details, delivery period and other relevant documents **except Price bid**) and **Price Bid** (Price quotation) valid for **four months** from the due date should be submitted separately in different envelopes superscribing Technical Bid & Price Bid for the supply of **Video Camera – 01 No. with accessories** for tender No. **STR-D3/EQPT/VC/ /NP/2020-21**. The tender bids received after the due date and time will be rejected. **NIMHANS, Bengaluru will not take any responsibility for delay, loss or non-receipt of the tender documents sent by post or under any other circumstances.**
2. Sealed tender bids (both technical & price) should be submitted only by either manufacturer of the articles or the authorized local supplier of the manufacturer. Copy of authorization letter has to be enclosed.
3. Validity of both the tender bids should be for 120 days from the due date.
4. **Video Camera – 01 No. with accessories** each should be covered with **5 years warranty** for normal or regular wear & tear from the date of complete installation (Ready to use in all respects).
5. Quantity of items may be increased / decreased as per requirement.
6. **Price bid should be in INR for NIMHANS door delivery price** and total cost with detailed breakup of cost towards Item wise price, taxes, any surcharges (such as transportation, installation, customs duty, etc.), **warranty period, delivery period**, grand total, contact person details (such as Mobile No., E-mail, local supplier address) should be clearly mentioned.
7. **Technical bid must be submitted along with relevant documents counter signed along with seal by the bidder (such as Authorization certificates, Purchase order related to previous supply to Institutes/Hospitals, Catalogues, Data Sheet, PAN number, GST Registration copy, Bank details, Technical Compliance Statement, Proprietary certificate from the manufacturer (if applicable), Pre requirements required for using chemicals, Non – blacklisting certification that the firm has not been blacklisted in the past by any Government / Private institution and certification for No Vigilance/CBI case pending against the firm/supplier by making an affidavit on non – judicial stamp paper of ₹10/-, Declaration, etc.)** If not submitted, Technical bid will be treated as incomplete and may be rejected.



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8. If the purchase of article is approved by the Institute, the article should be supplied/installed within the delivery period quoted else penalty will be levied as per institute rules.
9. **The cost of the “Video Camera – 01 No. with accessories” will be freezed for 1 Year from the date of purchase order; however Institute reserves the right to procure/reject the purchase of “Video Camera – 01 No. with accessories” with the successful tenderer on repeat order basis within 1 year from the date of purchase order.**
10. Sealed tender bids (both technical & price) shall be addressed to -
**I/C ADMINISTRATIVE OFFICER (S),
PURCHASE SECTION, NIMHANS,
HOSUR ROAD, BENGALURU – 560 029**
11. **Tender Bids (both technical & price) received after last date and time will not be considered under any circumstances.**
12. However, the Institute reserves the right to accept or reject any/all bids without assigning any reason whatsoever.
13. **NO ADVANCE PAYMENT.** Bill will be passed for payment to accounts section only after satisfactory supply/installation certification of the articles from the concerned Head of the Department/Section. Further payment will be made by accounts section.
14. If necessary, the firm may be called for presentation/demo of the articles.
15. For equipments worth **₹ 2,00,000/- and above**, Agreement has to be executed on **₹ 200/-** stamp paper (Specimen will be provided with purchase order) and Bank Guarantee has to be executed from a Nationalized Bank for 10% of total value valid for a period of 60 days beyond the warranty period, else payment will not be processed.
16. None of the terms and conditions of the supplier shall be applicable to the purchase contemplated hereunder, irrespective of it being attached to any documents to be provided to NIMHANS. Such exercise shall have no meaning and binding effect unless the same is accepted by NIMHANS in writing.
