QUOTATION NOTICE

Sealed quotations are invited for the supply of following items to the Office of the Superintendent of Police, Special Investigation Unit-I, Poojappura, Thiruvananthapuram.

1. Long Zoom Digital Still Camera - 3 Nos.
2. Pin hole Camera & receiving set - 3 Nos.
3. Pen Camera - 3 Nos.

The envelope containing the quotation should be super scribed “Quotation for supply for Still Camera, Pinhole Camera and Pen camera” and addressed to “The Superintendent of Police, Special Investigation Unit-I, Poojappura, Thiruvananthapuram. Last date and time for the receipt of the quotation is on 08.02.2018 at 03.00pm. Late quotation will not be accepted. The quotation will be opened at 4.00 pm on the same day in the presence of the quotationers or their authorized representatives who may be present at that time. The detailed specifications of each item are also attached here with. More details are available in the office.

For Superintendent of Police
Vigilance & Anti Corruption Bureau
Special Investigation Unit-I
Poojappura, Thiruvananthapuram
Mob: 9446200024

Enclosure:-

1. Detailed specification of each items.
### Power Consumption
- **DC 11V (AC adaptor), DC 7.2V (Battery)**
- Approx. 3.6W (when LCD monitor backlight is set to [Level 3], 1920 x 1080i mode)

### Dimensions
- 227(W) x 232(H) x 476(D)mm (8-15/16" x 9-1/8" x 18-3/4") (without battery)

### Mass
- Approx. 3.0kg (6.7lbs) (Including one BN-VF823 battery, SDHC card)

### Operating Temperature
- 0°C to 40°C (32°F to 104°F)

### Storage Temperature
- -20°C to 50°C (14°F to 122°F)

### Operating Humidity
- 35% to 80%

### Storage Humidity
- Under 85%

### Synchronizing System
- Internal synchronization

### Stabilizer
- Optical Image Stabilization with Enhanced Advanced Image Stabilizer

### Lens
- JVC HD GT LEN F1.2-2.8, f=3.76-37.6mm
- 35mm conversion: 29.5mm to 476mm*1

### Zoom ratios
- Optical 10x Dynamic 16x*2 Digital (max.) 200x
- Auto/Manual

### Focus
- 46mm (screw pitch 0.75mm)
- 1/2.3" 1.2M pixels progressive scan CMOS

### Image Sensor
- Recording area Video 5.4M to 2.07M pixels*1
- Recording area Still image (16:9) 5.4M to 2.07M pixels*1

### Gain
- Minimum illumination
- OFF, ON, AUTO SLOW-SHUTTER
- 1 lx: GAIN UP – AUTO SLOW-SHUTTER mode, Shutter Speed 1/30 (GY-HM70U) or 1/25 (GY-HM70E)
- 1/2 to 1/4000
- F1.2-5.6

### Shutter Speed
- Auto, MWB, 5200K, 6000K, 3200K
- 300 fps (fixed) (Resolution: 720x480: GY-HM70U)
- 250 fps (fixed) (Resolution: 720x576: GY-HM70E)

### Continuous Shooting Speed
- High: Approx. 12.5 images/sec, Medium: Approx. 6.25 images/sec, Low: Approx. 2 images/sec

### LCD Display
- 3.0" LCD 230K pixels, 16:9
- 0.24" LCOS 260K pixels, 16:9

### Viewfinder
- 2ch Stereo (with Zoom Microphone Function)

### Recording Media
- SDHC/SDXC (Class 4/6/10) Card, Memory Card Slots × 2

### Recording Format
- Video HD: AVCHD/AVCHD Progressive, MPEG-4 AVC/H.264
- Audio: Dolby Digital 2ch (AC3) 48kHz/16-bit, 256kbps

### Recording Mode
- HD Progressive mode: 1920 x 1080/60i (GY-HM70U)
- /50p (GY-HM70E): Approx. 28Mbps (max)
- UXP mode: 1920 x 1080/60i (GY-HM70U)
- /50i (GY-HM70E): Approx. 24Mbps
XP mode: 1920 x 1080/60i (GY-HM70U) /50i (GY-HM70E): Approx. 1.7Mbps
SP mode: 1920 x 1080/60i (GY-HM70U) /50i (GY-HM70E): Approx. 1.2Mbps
EP mode: 1920 x 1080/60i (GY-HM70U) /50i (GY-HM70E): Approx. 0.5Mbps

SD SSW (16:9) mode: 720x480/60i (GY-HM70U) 720x576/50i (GY-HM70E): Approx. 0.6Mbps
SEW (16:9) mode: 720x480/60i (GY-HM70U) 720x576/50i (GY-HM70E): Approx. 0.3Mbps

Recording media: SD/SDHC/SDXC Card
Recording format: JPEG

Video output: RCA x 1
Audio output: RCA x 2
Mic input: Ø 3.5mm mini jack (stereo) x 1 (Plug in power)
Headphone: Ø 3.5mm mini jack (stereo) x 1
USB: Mini USB Type AB, USB 2.0 compliant
Remote: Ø 3.5mm mini jack x 1

AC adapter (AP-V20), Battery pack (BN-VF823), Composite/audio cable (RCA x 3), USB cable, Operation manual (CD-ROM)
Specifications of Long Zoom Digital Still Camera –
Nikon Coolpix B 700

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective pixels</td>
<td>20.3 million, (Image processing may reduce the number of effective pixels.) Image sensor 1/2.3-in. type, CMOS, Total pixels: approx. 21.14 million</td>
</tr>
<tr>
<td>Lens</td>
<td>NIKKOR lens with 60x optical zoom</td>
</tr>
<tr>
<td>Focal length</td>
<td>4.3 to 258 mm, (angle of view equivalent to that of 24 to 1440 mm lens in 35 mm [135] format)</td>
</tr>
<tr>
<td>Maximum aperture</td>
<td>f/3.3 to f/6.5</td>
</tr>
<tr>
<td>Construction</td>
<td>16 elements in 11 groups, (4 ED lens elements and 1 super ED lens element)</td>
</tr>
<tr>
<td>Digital zoom magnification</td>
<td>Up to 4x (angle of view equivalent to that of approx. 5760 mm lens in 35 mm [135] format) Up to 2x when Movie options is set to 2160/30p or 2160/25p (angle of view equivalent to that of approx. 2880 mm lens in 35 mm [135] format)</td>
</tr>
<tr>
<td>Vibration reduction</td>
<td>Lens-shift VR (still images), Lens shift and electronic VR (movies)</td>
</tr>
<tr>
<td>Autofocus system</td>
<td>Contrast-detect AF</td>
</tr>
<tr>
<td>Focus range</td>
<td>[W]: Approx. 50 cm (1 ft 8 in.) to ∞, [T]: Approx. 2.0 m (6 ft 7 in.) to ∞, Macro close-up mode: Approx. 1 cm (0.4 in.) to ∞ (wide-angle position), (All distances measured from center of front surface of lens)</td>
</tr>
<tr>
<td>Focus-area selection</td>
<td>Target finding AF, face priority, manual (spot), manual (normal), manual (wide), subject tracking</td>
</tr>
<tr>
<td>Viewfinder</td>
<td>Electronic viewfinder, 0.5 cm (0.2-in.) approx. 921k-dot equivalent. LCD with the diopter adjustment function (−3 to +1 m (−1))</td>
</tr>
<tr>
<td>Monitor size</td>
<td>7.5 cm (3-in.) diagonal</td>
</tr>
<tr>
<td>Monitor resolution</td>
<td>Approx. 921k-dot, (RGBW), wide viewing angle TFT LCD with anti-reflection coating and 6-level brightness adjustment, vari-angle TFT LCD</td>
</tr>
<tr>
<td>Frame coverage (shooting mode)</td>
<td>Approx. 100% horizontal and vertical (compared to actual picture)</td>
</tr>
<tr>
<td>Frame coverage (playback mode)</td>
<td>Approx. 100% horizontal and vertical (compared to actual picture)</td>
</tr>
<tr>
<td>Media</td>
<td>SD, SDHC, SDXC</td>
</tr>
<tr>
<td>File system</td>
<td>DCF and Exif 2.3 compliant</td>
</tr>
<tr>
<td>Image size (pixels)</td>
<td>20 M: 5184x3888 8 M: 3264x2448 4 M: 2272x1704 2 M: 1600x1200 16:9 15 M: 5184x2920 3:2 18 M: 5184x3456 1:1 15 M: 3888x3888</td>
</tr>
<tr>
<td>ISO sensitivity (Standard output sensitivity)</td>
<td>ISO100, to 1600, ISO 3200 (available when using P, S, A, or M mode)</td>
</tr>
<tr>
<td>Metering method</td>
<td>Matrix, center-weighted, spot</td>
</tr>
<tr>
<td>Exposure modes</td>
<td>Programmed auto exposure with flexible program, shutter-priority auto, aperture-priority auto, manual, exposure bracketing, exposure compensation (−2.0 to +2.0 EV in steps of 1/3 EV)</td>
</tr>
<tr>
<td>Shutter type</td>
<td>Mechanical and CMOS electronic shutter</td>
</tr>
</tbody>
</table>
Shutter speed
1/4000(×) to 1s, 1/4000(×) to 15 s (when ISO sensitivity is 100 in M mode) 25 s (Star trails in Multiple exp. Lighten scene mode)
When the f-number is set to f/7.6 (wide-angle position)

Self-timer
Type
Can be selected from 10 s and 2 s

Range
Built-in flash
Range (approx.)
(ISO sensitivity: Auto)
8 steps of 1/3 EV (W) (A, M mode)

Control
Flash exposure
Compensation
Yes

USB connector
HDMI output connector
Standards
IEEE 802.11b/g (standard wireless LAN protocol)
2.412 to 2.462 MHz (1 to 11 channels)
Authentication: Open system, WPA2-PSK
Bluetooth Specification Version 4.1

Power source
Adapter (available separately)
Charging time
Approx. 3 h (when using EH-73P/EH-73PCH Charging AC Adapter and when no charge remains)
Approx. 420 shots when using EN-EL23(*1)

Battery life of still shooting
Battery life of movies
(actual battery life for recording)

Tripod socket
Dimensions (W×H×D)

Weight
Temperature
Humidity

Supplied Accessories

Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persl, Polish, Portuguese (European and Brazilian), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
One EN-EL23 Rechargeable Li-ion Battery (included) EH-67A AC

Approx. 1 h 30 min when using EN-EL23(*1)(*2)
1/4 (ISO 1222)
Approx.125.0, x85.0, x106.5mm (5.0, x3.4, x4.2in.), (excluding projections)
Approx.570g (1 lb 4.2 oz), (including battery and memory card)
0°C to 40°C (32°F to 104°F)
85% or less (no condensation)
Camera Strap, LC-CP29 Lens Cap (with cord), EN-EL23
Rechargeable Li-ion Battery, EH-73P Charging AC Adapter (A plug adapter is included if the camera was purchased in a country or region that requires a plug adapter. The shape of the plug adapter varies with the country or region of purchase.), UC-E21 USB Cable
Specification of Pinhole Camera and receiving set – AIGO 1080 / F

Real-time Video Recording, 1920x1080P Full HD Video Resolution 720P or 1080P Video Recording Selectable
Motion Detection Recording, Snapshot
3-7 hours continuous video recording with back-up battery
Video Recording and Charging at the same time
Audio Recording
TV Output
Rechargeable Battery Built-in.
Parameters Microphone Built-in
Back-up Battery Included
Video Format: MOV OV9712 Pinhole Lens
Mini USB Port Charge Power Voltage: DC 5V 1A
Charging Time: 15 hours
Remote Control Camera
Lens Size: 8x8mm
Video Compression Format: H.264
Video Format: MOV
Video Frame Rate: 25/30fps
Minimum Illumination: 1 Lux
Specification for 32GB Full HD Original Pen Camera

- Color: Black (Brand New)
- Video Display Resolution: (1280×960) Recording
- Battery Type: Ni-MH
- Camera: 8 Mega Pixels
- Type: Instant Audio/Video/Photo
- Video Format: AVI 720(W) × 480(H) Pixels
- Video Frames: 30 Frames Per Sec
- Microphone: Built-In
- Power Supply: USB
- System Requirement: LINUX/ WINDOWS XP/Win Vista/Windows7/Windows8/Windows10
- Battery charging time: 2 Hrs
- Backup: Upto 2-3 Hours Video Recording.
- Charger: Desktop or Laptop via cable provided
- Standby time: about 150 hours
- Package Contents Amazing Pen Camcorder, Cable, and user manual
- Display Light: No LED light while recording
- Warranty: Lifetime Service Warranty