

CORRIGENDUM

Reference to our Tender Notice(s) published on 09th & 11th April, 2014 on Websites of PPRA & IIU for supply of **Networking Equipment & its Installation** and Supply of **Still Photography Camera**, following amendments are made in the advertisement:

- i) Tender fee i.e. Rs.500/- (Non-refundable) **for each tender** will be deposited along-with bid/tender in shape of Call Deposit/Bank Draft in favor of IIU.
- ii) Tender documents can be downloaded from www.ppra.org.pk and www.iiu.edu.pk

Note:The other Terms & Conditions shall remain the same.

(Javaid Rabbani), Assistant Director (P&S), Room # 213, (2nd Floor) Administration Block, Sector H-10 International Islamic University, Islamabad, Phone # 9019255

Yours faithfully,

(Javaid Rabbani)
Assistant Director II (P&S)
051-9019255


Please arrange the following items.

1. Camera Nikon D-800e or equivalent camera.

Following are the features:

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| Type | |
| Type | Single-lens reflex digital camera |
| Lens mount | Nikon F mount (with AF contacts) |
| Effective pixels | |
| Effective pixels | 36.3 million |
| Image sensor | |
| Image sensor | 35.9 x 24.0 mm CMOS sensor (Nikon FX format) |
| Total pixels | 36.8 million |
| Dust-reduction system | Image sensor cleaning, Image Dust Off reference data (requires optional Capture NX 2 software) |
| Storage | |
| Image size (pixels) | <p>FX format (36 x 24): 7,360 x 4,912 (L), 5,520 x 3,680 (M), 3,680 x 2,456 (S)</p> <p>1.2x (30 x 20): 6,144 x 4,080 (L), 4,608 x 3,056 (M), 3,072 x 2,040 (S)</p> <p>DX format (24 x 16): 4,800 x 3,200 (L), 3,600 x 2,400 (M), 2,400 x 1,600 (S)</p> <p>5:4 (30 x 24): 6,144 x 4,912 (L), 4,608 x 3,680 (M), 3,072 x 2,456 (S)</p> <p>FX-format photographs taken in movie live view*: 6,720 x 3,776 (L), 5,040 x 2,832 (M), 3,360 x 1,888 (S)</p> <p>DX-format photographs taken in movie live view*: 4,800 x 2,704 (L), 3,600 x 2,024 (M), 2,400 x 1,352 (S)</p> <p>* Photographs taken in movie live view have an aspect ratio of 16:9; A DX-based format is used for photographs taken using the DX (24 x 16) image area; an FX-based format is used for all other photographs</p> |
| File format | <p>NEF (RAW): 12 or 14 bit, lossless compressed, compressed or uncompressed</p> <p>TIFF (RGB)</p> <p>JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8) or basic (approx. 1:16) compression (Size priority); Optimal quality compression available</p> <p>NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats</p> |
| Picture Control | Can be selected from Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected |

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| System | Picture Control can be modified; storage for custom Picture Controls |
| Media | SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards; Type I CompactFlash memory cards (UDMA compliant) |
| Dual card slots | 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 (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge |
| Viewfinder | |
| Viewfinder | Eye-level pentaprism single-lens reflex viewfinder |
| Frame coverage | FX (36 x 24): Approx. 100% horizontal and 100% vertical 1.2x (30 x 20): Approx. 97% horizontal and 97% vertical DX (24 x 16): Approx. 97% horizontal and 97% vertical 5:4 (30 x 24): Approx. 97% horizontal and 100% vertical |
| Magnification | Approx. 0.7 x (50 mm f/1.4 lens at infinity, -1.0 m^{-1}) |
| Eyepoint | 17 mm (-1.0 m^{-1} ; from center surface of viewfinder eyepiece lens) |
| Diopter adjustment | -3 to $+1 \text{ m}^{-1}$ |
| Focusing screen | Type B BriteView Clear Matte Mark VIII screen with AF area brackets and framing grid |
| Reflex mirror | Quick return |
| Depth-of-field preview | When depth-of-field preview button is pressed, lens aperture is stopped down to value selected by user (A and M modes) or by camera (P and S modes) |
| Lens aperture | Instant return, electronically controlled |
| Lens | |
| Compatible lenses | Compatible with AF NIKKOR lenses, including type G and D lenses (some restrictions apply to PC-NIKKOR lenses), DX lenses [using DX (24 x 16) image area], AI-P NIKKOR lenses, and non-CPU AI lenses (exposure modes A and M only); IX-NIKKOR lenses, lenses for the F3AF, and non-AI lenses cannot be used The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster, employing eleven focus points with lenses that have a maximum aperture of f/8 or faster |

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| Shutter | |
| Type | Electronically-controlled vertical-travel focal-plane shutter |
| Speed | 1/8,000 to 30 s in steps of 1/3, 1/2 or 1 EV, bulb, X250 |
| Flash sync speed | X = 1/250 s; synchronizes with shutter at 1/320 s or slower (flash range drops at speeds between 1/250 and 1/320 s) |
| Release | |
| Release mode | S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release),  (self-timer), MUP (mirror up) |
| Frame advance rate | With EN-EL15 batteries (FX/5:4) CL: approx. 1 to 4 fps, CH: approx. 4 fps, (DX/1.2x) CL: approx. 1 to 5 fps, CH: approx. 5 fps Other power sources (FX/5:4) CL: approx. 1 to 4 fps, CH: approx. 4 fps, (1.2x) CL: approx. 1 to 5 fps, CH: approx. 5 fps, (DX) CL: approx. 1 to 5 fps, CH: approx. 6 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 |
| Exposure | |
| Metering | TTL exposure metering using 91K-pixel RGB sensor |
| Metering method | Matrix: 3D color matrix metering III (type G and D lenses); color matrix metering III (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15 or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle or average of entire frame) Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used) |
| Range (ISO 100, f/1.4 lens, 20°C/68°F) | Matrix or center-weighted metering: 0 to 20 EV Spot metering: 2 to 20 EV |
| Exposure meter coupling | Combined CPU and AI |
| Exposure modes | Programmed auto with flexible program (P); shutter-priority auto (S); aperturepriority auto (A); manual (M) |
| Exposure compensation | -5 to +5 EV in increments of 1/3, 1/2 or 1 EV |
| Exposure | 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV |

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| bracketing | |
| Exposure lock | Luminosity locked at detected value with AE-L/AF-L button |
| ISO sensitivity (Recommended Exposure Index) | ISO 100 to 6400 in steps of 1/3, 1/2 or 1 EV; can also be set to approx. 0.3, 0.5, 0.7 or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1 or 2 EV (ISO 25600 equivalent) above ISO 6400; auto ISO sensitivity control available |
| Active D-Lighting | Can be selected from auto, extra high, high, normal, low or off |
| ADL bracketing | 2 frames using selected value for one frame or 3 to 5 frames using preset values for all frames |
| Focus | |
| Autofocus | Nikon Advanced Multi-CAM 3500FX autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; f/8 supported by 11 central sensors), and AFassist illuminator (range approx. 0.5 to 3 m/1 ft 8 in. to 9 ft 10 in.) |
| Detection range | -2 to +19 EV (ISO 100, 20°C/68°F) |
| Lens servo | Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); predictive focus tracking automatically activated according to subject status Manual focus (M): Electronic rangefinder can be used |
| Focus point | Can be selected from 51 or 11 focus points |
| AF-area modes | Single-point AF, 9-, 21- or 51-point dynamic-area AF, 3D-tracking, auto-area AF |
| Focus lock | Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button |
| Flash | |
| Built-in flash | Manual pop-up with button release and a guide number of approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20°C/68°F) |
| Flash control | TTL: i-TTL flash control using 91K-pixel RGB sensor is available with builtin flash and SB-910, SB-900, SB-800, SB-700, SB-600 or SB-400; 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 |
| Flash modes | Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, slow rear-curtain sync; auto FP high-speed sync supported |
| Flash compensation | -3 to +1 EV in increments of 1/3, 1/2 or 1 EV |

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| Flash bracketing | 2 to 9 frames in steps of 1/3, 1/2, 2/3 or 1 EV |
| Flash-ready indicator | Lights when built-in flash or optional flash unit is fully charged; blinks 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) | Advanced Wireless Lighting supported with built-in flash, SB-910, SB-900, SB-800 or SB-700 as a master flash and SB-600 or SB-R200 as remotes, or SU-800 as commander; built-in flash can serve as master flash in commander mode; auto FP high-speed sync and modeling illumination supported with all CLS-compatible flash units except SB-400; Flash Color Information Communication and FV lock supported with all CLS-compatible flash units |
| Sync terminal | ISO 519 sync terminal with locking thread |
| White balance | |
| White balance | Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 4 values can be stored) and color temperature setting (2,500 K to 10,000 K); fine-tuning available for all options |
| White balance bracketing | 2 to 9 frames in steps of 1, 2 or 3 |
| Live View | |
| Modes | Live view photography (still images), movie live view (movies) |
| Lens servo | Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) Manual focus (M) |
| AF-area modes | 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) |
| Movie | |
| Metering | TTL exposure metering using main image sensor |
| Frame size (pixels) and frame rate | 1,920 x 1,080; 30p, 25p, 24p 1,280 x 720; 60p, 50p, 30p, 25p; 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 |
| Video compression | H.264/MPEG-4 Advanced Video Coding |

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| Audio recording format | Linear PCM |
| Audio recording device | Built-in monaural or external stereo microphone; sensitivity adjustable |
| Movie options | Index marking, time-lapse photography |
| Monitor | |
| Monitor | 8-cm (3.2-in.), approx. 921k-dot (VGA) TFT LCD with 170°viewing angle, approx. 100% frame coverage, and automatic monitor brightness control using ambient brightness sensor |
| Playback | |
| Playback | Full-frame and thumbnail (4, 9 or 72 images) playback with playback zoom, movie playback, photo and/or movie slide shows, highlights, histogram display, auto image rotation, and image comment (up to 36 characters) |
| Interface | |
| USB | Super Speed USB (USB 3.0 Micro-B connector) |
| HDMI output | Type C mini-pin HDMI connector; can be used simultaneously with camera monitor |
| Audio input | Stereo mini-pin jack (3.5-mm diameter) |
| Audio output | Stereo mini-pin jack (3.5-mm diameter) |
| 10-pin remote terminal | Can be used to connect optional remote control, GP-1 GPS Unit or GPS device compliant with NMEA0183 version 2.01 or 3.01 (requires optional MC-35 GPS Adapter Cord and cable with D-sub 9-pin connector) |
| Supported languages | |
| Supported languages | Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian |
| Power source | |
| Battery | One EN-EL15 Rechargeable Li-ion Battery |
| Battery pack | Optional MB-D12 Multi-Power Battery Pack with one EN-EL15/EN-EL18* Rechargeable Li-ion Battery or eight R6/AA-size alkaline, Ni-MH or lithium batteries * Requires BL-5 Battery Chamber Cover (available separately) |

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| AC adapter | EH-5b AC Adapter; requires EP-5B Power Connector (available separately) |
| Tripod socket | |
| Tripod socket | 1/4 in. (ISO 1222) |
| Dimensions / weight | |
| Dimensions (W x H x D) | Approx. 146 x 123 x 81.5 mm/5.7 x 4.8 x 3.2 in. |
| Weight | Approx. 1,000 g/2 lb 3.3 oz with battery and SD memory card but without body cap; approx. 900 g/1 lb 15.7 oz (camera body only) |
| Operating environment | |
| Operating environment | Temperature: 0 to 40°C/32 to 104°; Humidity: Less than 85% (no condensation) |
| Accessories | |
| Supplied accessories (may differ by country or area) | EN-EL15 Rechargeable Li-ion Battery, MH-25 Battery Charger, DK-17 Eyepiece, UC-E14 USB Cable, USB Cable Clip, Camera Strap, BM-12 LCD Monitor Cover, BF-1B Body Cap, BS-1 Accessory Shoe Cover, View NX 2 CD-ROM |

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- Images in viewfinders, on LCDs and monitors shown in this site are simulated.
- All images and movies (except sections about the D800E) were shot with the D800.

2. Lens Nikon or equivalent. (AF-S Nikkor 28-300mm f/3.5-5.6G VR “10.7x”)

Following are the features:

| Performance | |
|----------------------------|---|
| Focal Length | 28 - 300mm |
| Aperture | Maximum: f/3.5 - 5.6 Minimum: f/22.0 |
| Camera Mount Type | Nikon F |
| Format Compatibility | Nikon FX/35mm Film Nikon DX |
| Angle of View | 74° - 8° DX Picture Angle: 53° - 5° |
| Minimum Focus Distance | 1.64' (50 cm) |
| Magnification | 0.32x |
| Maximum Reproduction Ratio | 1:3 |
| Elements/Groups | 19/14 |
| Diaphragm Blades | 9 |
| Features | |
| Image Stabilization | Yes |
| Autofocus | Yes |
| Tripod Collar | No |
| Physical | |
| Filter Thread | 77 mm |
| Dimensions (DxL) | Approx. 3.26 x 4.5" (8.28 x 11.43 cm) |
| Weight | 1.76 lb (800 g) |

3. Camera Back Bag:

SPECIFICATIONS:

- **Designed for Pro DSLR:**
- Pro DSLR w/ grip and attached lens (up to 70-200mm for side access)
- 1 to 2 extra lenses
- Flash and accessories
- Compact tripod
- 15" laptop

Designed for Pro DSLR + Long Lens:

- Pro DSLR with attached 300mm f2.8
- 2 additional lens or flash
- Compact tripod
- 15" laptop

Available Color: Slate Grey

Materials: 600D polyester, 300D honeycomb polyester, nylon webbing

Product Weight: 2.4 lbs / 1.1 kg

Interior Camera Compartment Dimensions: 10.6W x 5.9D x 16.5H in. 27 x 15 x 42 cm

4. Flash Gun SB-900 AF Speed light or equivalent:

Following are features:

Powerful, Versatile Speed light Unit

Atop the Nikon Creative Lighting System, the SB-900 is an indispensable portable light source providing effective solutions to lighting challenges.

Complete Flash Head Positioning Freedom

Bounce 90° up and 7° down with 360° rotation elevates creative lighting freedom.

Renowned Dedicated Wireless Flash Control

Wireless Commander Mode offers wireless control at the master Speed light position, controlling up to 3 remote Speed light groups and an unlimited number of compatible Speed lights. Four wireless channel options help manage wireless conflicts in multi-photographer environments.

Choose From 3 Light Distribution Patterns

Optimize light quality by selecting Standard for general illumination, Center-weighted for portraits or Even, for groups or interiors.

Color Gel Filter Identification

Automatically identifies mounted color gel filters and adjusts camera white-balance.* *With select Nikon digital SLRs

Automatic Format Identification

automatically senses the FX or DX-format camera in use and optimizes light distribution.

Firmware Updating

Allows uploading of performance enhancement developments.*

*with select Nikon digital SLRs

Nikon's Precision I-TTL Flash Control

delivers precise flash exposures and seamless fill-flash performance—even in challenging lighting situations.

Hot Shoe and Wireless Operation

Use on-camera, as a wireless Master Commander or as a wireless remote light source.

Expanded Auto Power Zoom Coverage

Smoothly covers lenses as wide as 17mm and up to 200mm in FX-format and as wide as 12mm and up to 200mm in DX-format use.

Streamlined Controls and Menus

Convenient Rotary Select Dial sets key functions quickly and a prominent Master and Remote control switch simplifies wireless operation.

Flash Tube Overheat Protection

An added measure of safety is provided for sustained high-speed bursts.

Flash Value (FV) Lock

Locks in a specific flash output on the main subject, regardless of aperture, composition or the lens' zoom position.*

*With select Nikon digital SLRs

Drip-Proof Mounting Foot Cover (Water Guard)*

Provides enhanced moisture protection.

*Optional

5. Polaroid 72" Photo/Video Pro Tripod or equivalent.

Following are the Features:

- Exclusive Double Bubble Dual Bubble Levels <> Extends To A Full 6 Feet Yet Weighs 4 Pounds Yet Retracts To Just 28 Inches For Anytime / Anywhere Portability
- Industrial Grade Materials And Construction Provide Maximum Stability And Versatility In A Variety Of Situations Regardless Of Equipment <> Ergonomically Designed, Built In Carrying Handle plus No Sweat Foam Grips
- Locking Braced Center Column With Well <> Swivel Set Rubber Feet For Spike Like Traction & Stability Without Damaging Surfaces Convenient
- Multi Purpose Pan Head Ideal For Camcorders As Well <> Swivel Set Rubber Feet For Spike Like Traction & Stability Without Damaging Surfaces
- Three Section, Fully Adjustable Legs With Stay Set Auto Locking Mechanism For Fast And Easy Height Adjustments.