

Subject: N.I.Q for the purchase of DSLR Camera and its Accessories

Sealed quotations are invited from experienced manufacturers or their authorized representatives for supply of one (01) branded DSLR Camera Body with Four (04) Lenses and one (01) Tripod conforming to technical specifications and prescribed terms and conditions as given hereunder. Interested parties are required to submit the TECHNICAL and FINANCIAL bids in separate sealed envelopes; these should be marked clearly as “Technical Bid” and “Financial Bid”, respectively. Both the sealed envelopes should be sent in a single sealed envelope clearly marked as “Quotation for DLSR Camera and Accessories”. The Quotations should be addressed to: Prof. Anjan Ray and submitted in the Department of Mechanical Engineering, IIT Delhi, Hauz Khas, New Delhi 110016 latest by 5:00 PM on 15th December.

Camera Body

S.N.	Feature	Specification
1	True Resolution	≥ 36 MP
2	Sensor Size (Format)	Full Frame
3	Pixel Size	> 23 μm ²
5	Light sensitivity	≥ 12,800 ISO
6	Sensor type	CMOS
7	Image Processor	Expeed 4 or equivalent
8	AA Filter	No
9	Built-in Flash	Yes
10	Time elapse Recording	Yes
11	Image output Format	RAW, JPEG, TIFF
12	Dynamic Range	>14 EV
13	Low Light Performance	>2,800 ISO
14	Color Depth	>25 Bit
15	Min to Max Shutter Speed	30 s to 1/8000 s
16	Continuous Shooting	≥5 fps
17	Focus point	≥50
18	Battery Life	>1,100 shoots
19	Accessories	32 GB 1000X Compact Flash (UDMA) Type-I, 64 GB SDXC Card class 10 (USH-1) , memory reader , Rechargeable Battery, Battery Charger, AC adaptor connector, A/V cable, Short & long USB Cable, HDMI Cable, Body cap, Wireless Camera Remote, remotely camera control Software, User manual, tripod Socket & adaptor, semi soft case

Lenses

S.N.	Feature	Specification			
		Lense-1	Lense-2	Lense-3	Lense-4
1	Lenses				
2	Type	Prime	Zoom	Micro	Micro
3	Focal Length	50 mm	24-70	100/105 mm	60
4	Max Aperture (min f-Number)	f/1.8	f/2.8	f/2.8	f/2.8
5	Min Aperture (max f-Number)	f/16	f/22	f/32	f/32
6	Min Focus Distance	0.45 m (1.5 ft)	0.380m (1.2 ft)	0.314 m (1ft)	0.185m (0.607ft)
7	Max Reproduction Ratio	0.15 X	0.27X	1.0 X	1.0 X
8	Format	Full Frame	Full Frame	Full Frame	Full Frame
9	Lens Mount	Bayonet	Bayonet	Bayonet	Bayonet
10	Angle of View	47°	84° to 34°	23°20'	39°40'
11	Focus Control (A/M)	Auto and Manual	Auto and Manual	Auto and Manual	Auto and Manual
12	Silent Wave Motor (AF-S/USM)	Yes	Yes	Yes	Yes
13	Gelded (G)	Yes	No	No	Yes
14	Internal Focusing (IF)	No	No	Yes	Yes
15	Extra Low Dispersion glass (ED)	No	Yes	Yes	Yes
16	Nano Crystal Coat (N)	No	Yes	Yes	Yes
17	Image stabilizer (IS) or Vibration Reducer (VR)	No	No	Yes	No
18	Lens Accessories (for all lenses)	UV and Polarizing filters, Variable neutral density filter, Filter Holder, Rear lens cap, Snap-on front Lens hood, Flexible lens pouch or semi soft case, optical cleaner, Tripod Collar, Auto Focus Extension tube, lens adaptor for FX/EF and FX/DX			

Tripod

S.N.	Feature	Specification
1	No. Legs	3
2	Material	Carbon fiber legs and aluminum column
3	Leg sections	≥3
4	Column tube diameters	25 mm
5	Central column adjustment	Geared/ Rapid
6	Leg angles	25°, 46°, 66°, 88°
7	Max. Height	≥ 160 mm
8	Min Height (Lowest Camera Position)	≤ 80 mm
9	Leg Lock Type	QPL Lever Design
10	Bubble spirit level (no.)	≥1
11	Attachment (top)	3/8" screw attachment
12	Max. Weight Capacity	≥5 kgs
13	Accessories	Tripod head :Type: Ball Head with Q5 Quick Release, Material: magnesium, Panoramic rotation: 360°, Lateral Tilt: -103°/+40°
		Bag padded, handle strap, shoe sprit level

The following aspects should also be taken care of

1. Separate sealed technical and sealed financial bids should be given in a single sealed envelope
2. Validity of the quote should be at least 90 days
3. A warranty of at least 1 year from date of installation should be given. Rates for an extended warranty/AMC up to 3 years may be given
4. A company profile should be included in the technical bid
5. The profile should include the following at minimum:
 - a. Customer list and the number of similar DSLR camera sold by it in India.
 - b. The Indian agent's plan on how the same shall be maintained, the capabilities of their maintenance team in India.
6. A valid agent/ dealer/ ship certificate should be attached
7. Indian agent should also include a copy of letter enlisting with Department of Expenditure, Ministry of Finance as per GOI requirements
8. Accessories needed for functioning of the camera should be included in the quote and clearly specified. Optional, additional, accessories available may also be quoted separately.
9. Prices should be quoted on FOB basis only.
10. A signed **hand filled** compliance sheet as attached, stating whether each of the specifications asked for are being met or not, should be included in the technical bid
11. If some specifications are being met, deviations may be clearly stated. In the unlikely event that none of the vendors are able to meet all the specifications, the committee reserves the right to waive or relax any of the requirements at the technical evaluation stage.
12. No advance payment shall be made.
13. Payment will be made through wire transfer after successful installation.
14. The quotation received after due date will not be considered.
15. The institute reserves the right to reject any quotation without assigning any reasons.

After opening the technical bids, a demonstration of the product may be sought in IIT. The committees will shortlist the bids based on an evaluation of the technical bid, the demo, the efficiency (ease of use), ability to maintain and other aspects of the requirements. Financial bid would be opened only for shortlisted companies.

Compliance Sheet

S.N.	Feature	Complies Yes/No/Not Applicable (if not, deviation not mentioned)			
Camera Body					
1	True Resolution				
2	Sensor Size				
4	Light sensitivity				
5	Dynamic range				
6	Low light sensitivity				
7	Sensor type				
8	Frame Rate (continuous Shooting)				
9	Color Depth				
10	Maximum and Minimum shutter speed				
11	Battery Life				
12	AA Filter				
13	Number of Focus points				
14	Viewfinder Size				
15	Image processor				
16	Lens Mount				
17	Time elapse recording				
18	List of camera accessories				
Lenses		Lens-1	Lens-2	Lens-3	Lens-4
19	Focal Length of Lens for Macro and Zoom Lenses				
20	Min & Max Aperture (f-Number)				
21	Min focal distance				
22	Lens Features				
23	List of Accessories				
Tripod					
24	No. Legs and its sections				
25	material				
26	Max. Height				
27	Leg and Central column tube diameter				
28	Tripod head feature & other list of accessories				
Attached Documents					
29	Separate sealed financial & Technical Bids				
30	Valid of the quote > 90 days				
31	A warranty > 1 year from date of installation				
32	Extended warranty/AMC rate quoted				
33	Company profile included in the technical bid				
34	Valid agent ship certificate attached				
35	The profile includes the Indian agent's profile highlighting its past experience & the number of pieces of similar cameras sold by it in India.				
36	The Profile includes the Indian agent's plan on how the same shall be maintained, the capabilities of their maintenance team in India				
37	A copy of letter enlisting with the department of expenditure, Ministry of Finance as per GOI requirements included				
38	Accessories needed for functioning of the camera, Lens and Tripod are included in the quote and clearly specified				
39	Delivery is on FOB basis only				
40	A signed compliance sheet included				
41	Deviations from specifications are clearly stated				