

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

1. Sealed quotations are invited from experienced manufacturers or their authorized representatives for supply of one (01) branded DSLR Camera with Two (02) lenses 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 telephoto lens”. 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 26 September 2014.

S.N.	Categories	Specification	Amount
1	Sensor Specification	True Resolution	> 20 MP
2		Sensor Size (Format)	Full Frame (36 X 24 mm)
3		Pixel Size	> 4.5µm
5		Light sensitivity	≥ 6,400 ISO
7		Sensor type	CMOS
8	Camera Specification	Max Shutter Speed	≤1/4000 s
9		View Finder Size	≥ 0.7X
10		View Finder Coverage	100 %
11		Form Factor depth	≥ 3"
12		Lens Mount	For all EF or FX lenses
13		Operating Temp	0-50 °C
14		Operating Humidity Range	0-95 % non-condensing
15		Image output Format	RAW, JPEG, TIFF
16	Performance Characteristics	Dynamic Range	>11 EV
17		Low Light Performance	>1800 ISO
18		Color Depth	>23 Bit
19		Shutter Lag	≤260 s
20		Battery Life	800 shoots
21		Continuous Shooting	≥3 fps
22		Focus point	≥9
23	Battery	Battery	Rechargeable Lithium-Ion with Charger
24		Battery power output	7.2 V & 1800 mAh
25	Lens 1	Type	Macro
26		Min Target Area	3(W) X 0.5(H) mm
27		Max Target Area	10 (W) X 150 (H) mm
28		Distance between the target and camera	300-500 mm
29		Focal Length	100/105 mm
30		Aperture (f-Number)	f/2.8 with extra load dissipation (L or ED or equivalent)
31		Image stabilizer	Yes
32		Mounting	EF or FX or equivalent
33		Focus Control	Manual/ Automatic
34	Lens 2	Type	Standard Zoom
35		Min Target Area	3(W) X 0.5(H) mm
36		Max Target Area	10 (W) X 150 (H) mm
37		Distance between the target and camera	300-500 mm

38	Lens 2	Focal Length	Variable:24-70 mm
39		Aperture (f-Number)	f/2.8 with extra load dissipation (L or ED or equivalent)
40		Image stabilizer	Yes
41		Mounting	EF or FX or equivalent
42		Focus Control	Manual/ Automatic
42	Tripod	No. Legs	3
43		Material	Carbon Fibre
44		Central column moves	0 -180 degrees
45		Maximum Operating Height	>1000 mm
46		Legs adjust	≥25-50 and 80-degree angles
47		Maximum load Capacity	>1 kg
48		Leg diameter	>25 mm
49		Bubble level(pcs)	≥1
50	Leg Lock Type	Quick flip	
51	Accessories	Filter	UV and Polarizing filters
52			Battery Charger
53			Memory reader
54			software
55			User manual

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. Compliance table indicating adherence to each item of the technical specification.
3. The camera body and Lens should be from the same OEM.
4. Validity of the quote should be at least 90 days
5. 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
6. A company profile should be included in the technical bid
7. The profile should include the following at minimum:
 - a. The parent company base in India, its customer list and the number of pieces of DSLR camera sold by it in India.
 - b. The Indian agent's profile highlighting its past experience and number of pieces of similar camera sold by it in India.
8. In the case the bid is given through an agent, a valid agent-ship certificate should be attached
9. Each bidder must submit the NEFT mandate form for registering as a vendor at IIT Delhi.
10. If the item is a proprietary item, a proprietary certificate from the principal manufacturer should be included
11. Indian agent should also include a copy of letter enlisting with Department of Expenditure, Ministry of Finance as per GOI requirements
12. 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.
13. Imported items should be quoted on FOB basis (Freight on Board) and FOB price be provided.

14. 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
15. 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.
16. No advance payment shall be made.
17. Payment will be made through wire transfer after successful installation.
18. The quotation received after due date will not be considered.
19. The institute reserves the right to reject a quotation without assigning any reasons.

After opening the technical bids, a demonstration of the product may be sought in IIT. The committee 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)
1	True Resolution	
2	Sensor Size	
3	Pixel Size	
4	Light sensitivity	
5	Dynamic range	
6	Low light sensitivity	
7	Sensor type	
8	Frame Rate (continuous Shooting)	
9	Color Depth	
10	Maximum shutter speed	
11	Battery Life	
12	Form Factor Depth	
13	Number of Focus points	
14	Viewfinder Size	
15	Operating Temperature & humidity Range	
16	Lens Mount	
17	Battery/ Power Supply & Power Consumption	
18	Focal Length of Lens for Fixed and variable Range	
19	Aperture (f-Number) of the Lens with Extra load dispersion	
20	Image stabilizer & Focus Control of Lens	
21	Separate sealed financial & Technical Bids	
22	Valid of the quote > 90 days	
23	A warranty > 1 year from date of installation	
24	Extended warranty/AMC rate quoted	
25	Company profile included in the technical bid	
26	Valid agent ship certificate attached	
27	A proprietorship certificate from the principle	

	manufacturer included	
28	Profile includes the parent companies base in India, its customer list and number of pieces of similar camera sold by it in India	
29	The profile includes the Indian agent's profile highlighting its past experience & the number of pieces of similar cameras sold by it in India.	
30	The Profile includes the Indian agent's plan on how the same shall be maintained, the capabilities of their maintenance team in India	
31	Proof of the company as well as the Indian agent having sold at least 20 similar cameras	
32	A copy of letter enlisting with the department of expenditure, Ministry of Finance as per GOI requirements included	
33	Accessories needed for functioning of the camera are be included in the quote and clearly specified	
34	Delivery is on FOB basis only	
35	A signed compliance sheet included	
36	Deviations from specifications are clearly stated in the compliance	