

NIQ for Inverted Optical Microscope

Sealed quotations in two bids (Technical and commercial in separate sealed envelopes) are invited for Binocular inverted microscope. We would like to upgrade the microscope in future, so flexible architecture for future up-gradation is needed.

Sl. no.	Description		Tender Specification	Compliance
1	Imaging Modes	1.1	Birghtfield, Phase Contrast, Fluorescence are must. Quote DIC as optional.	
2	Eyepiece		10x W/Diopter adjustment (FOV > 22mm).	
3	Nosepiece		DIC sextuple nosepiece.	
4	Condenser		Long working distance universal condenser (N.A. 0.55/W.D. 0.27 mm) with atleast 5 position turret (at least three for 30 mm dia. and two for 38 mm dia.) and aperture stop including centering tools.	
5	Objectives		U Plan semi Apochromat/Plan Fluorite Objective 10x/0.3, WD 10mm U Plan semi Apochromat/Plan Fluorite Objective 20x/0.50, WD 2.10 mm U Plan semi Apochromat/Plan Fluorite Objective 40x/0.75, WD 0.51 mm Include immersion oil at least 30 cc	
6	Fluorescence attachment		12V100W halogen bulb with holder. Filter cubes atleast DAPI,TRITCI	
7	Software		Image processing software with open architecture for future up gradation. We need to control the manipulator and time lapse video imaging simultaneously. If the system can be made compatible to free source software micromanager, that would be the best.	

8	Single Side Micromanipulator		One sided motorized micromanipulator with all its necessary accessories: Mounting adaptor to mount micromanipulator onto the microscope, Coarse manipulator to quickly place the micropipette in the field of view and move it close to the specimen, fine micromanipulator to perform the final approach to the cell and insert the micropipette into the cell, Microinjector to hold the egg or inject solution into it.	
9	Warranty		3 years	
10	Pressure Transducer		DPM1B Pneumatic Transducer Tester from BIO-TEK or equivalent model with following specs, Operating Range: ± 300 mmHg Pressure Generation Range: ± 300 mmHg Accuracy: ± 1 % of reading or ± 1 mmHg Resolution: 0.1 mmHg Units of Measure: mmHg & kPa Resolution: 0.1 mmHg Operating Temperature: 10 °C to 40 °C (50 °F to 104 °F)	
11	Optional		1. Motorized z-stage, 2. auto focus correction mechanism, 3. DIC module, 4. Deconvolution module. 5. 4'x6' active vibration isolation optical table.	

General guidelines:

1. Please quote the above item on FOB (freight on Board) mode as per the IIT Delhi policy.
2. If the above system is a proprietary item then a Proprietary certificate should be enclosed.
3. Letter from the manufacturer specifically to quote for this tender is to be attached for authenticity of dealership/agency and the dealer should be authorized service provider.
4. Vendor should get a fresh certificate directly from their product principal clearly mentioning about three years warranty of the equipment to be delivered from the date of installation.

5. The validity of the quotation should be at-least three months, the vendors will do the installation, training and demonstration in the IIT Delhi premises without additional charges.
6. Taxes, terms and conditions should be clearly mentioned.
7. Specifications form should be similar to the given specification sheet.
8. Compliance statement for the required specification should be attached.
9. Payment terms and conditions should be clearly mentioned. No advance payment is encouraged by IIT Delhi.
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11. Firm MUST provide a compliance statement vis-a-vis specifications in a “tabular form” clearly stating the compliance and giving justification, if any supported by technical literature with clear reference of page number, paragraph or lines.
12. The bidder must be a reputed Original Equipment Manufacturer (OEM) or an authorized local agent.
13. Further, if the Indian agent quotes for the above mentioned item on behalf of the foreign supplier, then the Indian agent should be enlisted with the department of Expenditure, Ministry of Finance (Govt. of India). Copy of the supporting documents has to be enclosed with the quotation. Further, in the letter it should be clearly stated from the bidder is an authorized agent.

The institute/purchase committee has the right to accept or reject any bid or all quotations without assigning any reasons whatsoever. Quotations should be addressed to

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