



# UNODC

United Nations Office on Drugs and Crime  
Regional Office for Central Asia

RFQ ROCA/2019-1974

Procurement Section

УПРАВЛЕНИЕ ОРГАНИЗАЦИИ ОБЪЕДИНЕННЫХ НАЦИЙ  
ПО НАРКОТИКАМ И ПРЕСТУПНОСТИ  
РЕГИОНАЛЬНОЕ ПРЕДСТАВИТЕЛЬСТВО В ЦЕНТРАЛЬНОЙ АЗИИ

7 November 2019

## Request for Quotation No. ROCA/2019-1974

### Subject: SUPPLY OF LABORATORY EQUIPMENT.

1. The United Nations Office on Drugs and Crime Regional Office for Central Asia (UNODC) hereby requests your company's quotation for the item(s) specified in this Request for Quotation (RFQ).
2. We would appreciate receiving your quotation **on or before 20 November 2019, 15:00 Tashkent time by e-mail or by post**. Your quotation must be valid for at least 30 days. All quotations will be reviewed by the UNODC in accordance with its financial rules and regulations as well as the Considerations contained herein.
3. Prices can be quoted in Uzbek Soums or US Dollars. For comparison purposes UN Operational Rate of Exchange at the date of bids opening will be used.
4. Local contractors will be paid via bank transfer in Uzbek Soums – 15% advance payment will be made and the remaining 85% payment upon satisfactory delivery of merchandise and acceptance thereof by UNODC. International contractors will be paid as per net 30 days. You must therefore clearly specify in your quotation if our payment terms are acceptable.
5. Please note that the United Nations has tax and duty exemption status and can provide documentation for the same. Hence, your pricing should take this status into account and must not include VAT or other tax/duties.
6. UNODC reserves the right to terminate the tender process without explanation the reason to the offerors. UNODC reserves the right to accept or reject any quotation and to annul the solicitation process and reject all quotations at any time prior to award of contract without thereby incurring any liability to the affected offeror or any obligation to inform the affected offeror or offerors of the grounds for the Purchaser's action. UNODC also reserves the right to increase or decrease quantity of the requested goods up to 25% without alteration price for per unit.
7. **All quotations duly signed and stamped** shall be submitted by electronic mail (in PDF format) to the following address: [nargiza.abduvalieva@un.org](mailto:nargiza.abduvalieva@un.org) or in sealed envelopes via mail/express mail or by hand to the address below not later than **20 November 2019, 15:00 Tashkent time**:

United Nations Office on Drugs and Crime  
Regional Office for Central Asia  
Tashkent, 100100, 30/A, Abdulla Kahhor Street  
Phone: (+99871) 1208050

ATTENTION: Please indicate on the envelope or on e-mail subject the RFQ reference i.e. **“RFQ ROCA/2019-1974 SUPPLY OF LABORATORY EQUIPMENT”**. UNODC will not be responsible for postal delays, if any, in the delivery of the bid documents or non-receipt of the same.



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Annex I

## Requirement

N	Description	Quantity
1	STEREOSCOPIIC MICROSCOPE	1
2	PSYCHROMETRIC THERMOMETER	3
3	FLUORIMETER	1

SPECIAL CONDITIONS/REQUIREMENTS	
LANGUAGE	English or Russian
Warranty/Guarantee of Materials and Installation	Minimum 12 months Manufacturer warranty on each equipment. Please provide addresses of firms providing service facilities in Uzbekistan.
Validity of Quotation	30 DAYS
Type of contract	Purchase Order, subject to United Nations General Terms and Conditions of Contract available at: <a href="http://www.un.org/depts/ptd/conditions.htm">http://www.un.org/depts/ptd/conditions.htm</a>
Payment Terms	Uzbekistan-based vendors: 15% prepayment and 85% after acceptance for payments in Uzbek soums. International Vendors: 100% of the total contract price will be paid by bank transfer to the Supplier's account after delivery and acceptance of goods for payments in US Dollars;
Delivery Point	UNODC Regional Office for Central Asia 30/A, A. Kahhor Street, Tashkent 100100 Uzbekistan Phone: (+99871) 1208050



## Technical specifications (minimum requirements)

### 1. STEREOSCOPIC MICROSCOPE

№	Parameter name	Setpoint value
<b>1. General requirements</b>		
1.1	Application area	Designed for the study of microparticles of various origins, coatings, microfibers, biological objects of plant and animal origin, the study of drugs, narcotic drugs, as well as the determination of morphological characteristics of various materials.
<b>2. The composition and features of the equipment</b>		
2.1	Set	<p>Stereomicroscope on a tripod with built-in LED illuminators for transmitted and incident light, with a digital color 3-megapixel CCD camera</p> <p>The scope of the microscope should include:</p> <p><b>1. The stereo microscope body should provide a smooth change in magnification: 0.67x - 4.5x (zoom ratio 6.7: 1):</b></p> <ul style="list-style-type: none"> <li>- built-in binocular nozzle with an angle of inclination of the eyepiece tubes 45 °, designed for an eyepiece field of 22 mm, video output with an integrated C-mount adapter 0.5x</li> <li>- working distance: 110mm (without additional lenses)</li> <li>- standard zoom range: 6.7x - 45x</li> <li>- maximum magnification range: 2x (with a front lens 0.3x and eyepieces 10x) - 270x (with a front lens 2x and eyepieces 30x)</li> <li>- screws for fixing the eyepieces in the eyepiece tubes</li> </ul> <p><b>2. eyepieces</b></p> <ul style="list-style-type: none"> <li>10x eyepiece is designed for 22mm field</li> <li>- 15x eyepiece is designed for 16mm field</li> <li>- 20x eyepiece is designed for 12.5mm field</li> <li>- 30x eyepiece is designed for 7mm field</li> <li>- eyepiece micrometers and grids</li> </ul> <p><b>3. front lens</b></p> <ul style="list-style-type: none"> <li>- magnification 0.3x, numerical aperture NA 0.006-0.02, working distance 250-350mm</li> <li>- magnification 0.4x, numerical aperture NA 0.008-0.027, working distance 180-250mm</li> <li>- magnification 0.5x, numerical aperture NA 0.01-0.034, working distance 200mm</li> <li>- magnification 0.62x, working distance 160mm</li> <li>- magnification 0.75x, numerical aperture NA 0.014-0.05, working distance 130mm</li> <li>- magnification 1.5x, numerical aperture NA 0.029-0.1, working distance 61mm</li> <li>- 2x magnification, numerical aperture NA 0.038-0.134, working distance 38mm</li> </ul> <p><b>4. tripod with built-in illuminator:</b></p> <ul style="list-style-type: none"> <li>- tripod with built-in LED illuminators for transmitted and incident light</li> </ul> <p><b>5. subject tables</b></p> <ul style="list-style-type: none"> <li>- mechanical stage</li> <li>- round 360 ° rotatable table with 2 pressure clips</li> <li>- holder for stones</li> </ul> <p><b>6. incident light illuminators</b></p> <ul style="list-style-type: none"> <li>- LED cold light source with various optical waveguides: flexible light guide, ring light guide, self-supporting goose-neck light guide</li> </ul> <p><b>7. transmitted light illuminators</b></p> <ul style="list-style-type: none"> <li>- transmitted light illuminator for a tripod with a movable rotating 2-sided mirror to create oblique lighting. As light sources, various illuminators with a flexible light guide can be used.</li> </ul> <p><b>8. supports and columns</b></p> <ul style="list-style-type: none"> <li>- a rack with a gas pressure spring, the length of a horizontal rod 360mm, max. vertical range of movement 225 mm, change in angle of inclination 0-90 °, column 250mm</li> <li>- vice for installation on tables 32-70mm thick</li> </ul>
<b>3. Technical requirements</b>		
<b>3.1</b>	<b>Stereoscopic microscope</b>	
	Optical zoom range	From no more than 2 to no less than 270 times
	Effective Optical Zoom	Not less than 10: 1
	Focus progress	From no more than 110 to no less than 120mm
	Eyepiece field of view	From no more than 21 to no less than 22 mm



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	Working distance	From no more than 105 to no less than 110 mm
	Interpupillary distance adjustment	From no more than 52. to at least 76 mm
	Fixed positions increase the base of the microscope	From no more than 0.67 to at least 4.5 times
	Eyepiece enlargement	Must be exactly 10 times
	ESD eyepiece protection, microscope base	Must be accurate
	Optical system	must be exactly as per Gren
	Tube type	Binocular, with c-mount adapter 0.5x
	Type of illuminator	built-in LED illuminators for transmitted and incident light, mounted on a microscope stand
3.2.	<b>Nozzle lens</b>	- magnification 0.4x, numerical aperture NA 0.006-0.02, working distance 250-350mm - magnification 0.4x, numerical aperture NA 0.008-0.027, working distance 180-250mm - magnification 0.5x, numerical aperture NA 0.01-0.034, working distance 200mm - magnification 0.62x, working distance 160mm - magnification 0.75x, numerical aperture NA 0.014-0.05, working distance 130mm - magnification 1.5x, numerical aperture NA 0.029-0.1, working distance 61mm - 2x magnification, numerical aperture NA 0.038-0.134, working distance 38mm
	Increase, krat	magnification 0.3x; magnification 0.4x; magnification 0.5x; magnification 0.62x; magnification 0.75x; 1.5x magnification; 2x magnification
	Numerical aperture	0.006-0.02; 0.008-0.027; 0.01-0.034; 0.014-0.05; 0.029-0.1; 0.038-0.134 mm.
	Working distance	250-350mm; 180-250mm; 200mm; 160mm;
	Total increase	From no more than 10 to no less than 67.5 mm.
3.3.	<b>Illuminator</b>	
	Type	Must be exactly LED
	Halogen equivalent power	From no more than 29 to at least 30 watts
	Colour temperature	The smallest value - no more, the greatest - no less, K 5500..5600
	Execution	Must be accurately mounted on a microscope tripod
	Number of optical fibers	Must be exactly 2
	Fiber length	The smallest value - no more, the greatest - no less than, mm 480..500
	Diameter of Focusing Lenses	The smallest value - no more, the greatest - no less, mm 4.8..5
	Ring light	It must be exactly 6-point, the diameter of the device is 66 mm, the cable length is 1000 mm
3.4.	<b>Image Capture System (Camera)</b>	
	Filming speed	Must be at least, frames / s 12
	Resolution	Must be at least 5 MP pixels
	Matrix size, not less	Must be at least 1/2 inch
	Compatibility	Must be exactly the same manufacturer with a microscope
	Camera connection interface	Must be exactly USB 3.0
	Matrix pixel size, not less	Must be at least microns 2.2x2.2
	Live streaming at 2560 x 1920	Must be at least 15 frames per second
	Camera type	Must be exactly colored
	Connection type	Must be exactly C-mount

## 2. PSYCHROMETRIC THERMOMETER

№№ n/n	Product name	Measurement unit	Quantity
1.	<b>Instrument composition</b>		
1.2	Plastic base	pcs.	1
1.3	Dry thermometer;	pcs.	1
1.4	Wet thermometer	pcs.	1
1.5	Psychrometric table	pcs.	1
1.6	Glass feeder	pcs.	1
1.7	Thermometric fluid		toluene



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2.	<b>Specifications:</b>		
2.1	The temperature range of the dry thermometer is from 0 ° C to +25 ° C.	°C	от 0 to +25 °C.
2.2	Range of measurement of relative humidity depending on temperatures:	%	from 20 to 90 at a temperature: from 5 ° C to +25 ° C.
2.3	Graduation: 0.2 ° C.	RH	10% ~ 99%
3.	<b>Dimensions:</b>		
3.1	Height	mm	290
3.2	Width	mm	120
3.3	Thickness	mm	50
4	<b>Product requirements</b>		
4.1	Warranty period, years	not less than 1	
4.2	Operating life, years	not less than 5	
4.3	Date of issue	not earlier than the current	

### 3. FLUORIMETER

No	Parameter name	Setpoint Value
<b>1. General requirements</b>		
1.1	Application area	Designed to measure DNA, RNA and protein
<b>2. The composition and features of the equipment</b>		
2.1	Sets and equipment features	The device should be easy to use. The measurement should take place in ordinary 0.5 ml thin-walled tubes. 2 channels of detection; Also included with the device should be a cable, microfiber cloth, USB disk and USB cable, set 1 dsDNAHS (per 100 reactions), set 1 dsDNABR (per 100 reactions), set RNAIQ (for 75 reactions), set RNAHS (for 100 reactions), RNAXR kit (for 100 reactions), Protein kit (for 100 reactions), test tubes (500 pcs.)
<b>3. Technical requirements</b>		
3.1		<ol style="list-style-type: none"> <li>The wavelengths of the excitation / radiation, nm-430-495 / 510-580; 600-645 / 665-720;</li> <li>One cell for PCR;</li> <li>Test tubes - 0.5 ml .;</li> <li>The volume of the sample, 1 µl;</li> <li>Detection time, s ≤5;</li> <li>Sensitivity range from: DNA-10pg / µl, RNA-250pg / µl, protein-12.5 µg / ml;</li> <li>Saving up to 1000 results in the device memory</li> <li>LCD touch monitor</li> <li>Weight no more than 1000 gr.</li> </ol>



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13 сентября 2019 г.



## Appendix A INFORMATION TO UNITED NATIONS VENDORS THE GLOBAL COMPACT

The United Nations encourages all vendors to participate in the Global Compact by:

1. Issuing a clear statement of support for the Global Compact and its nine principles, and publicly advocating the Global Compact. The nine principles of the Global Compact are contained in page 2 of this Appendix. Businesses wishing to participate in the Global Compact should visit the UN web site at [www.unglobalcompact.org/gc/UNWeb.nsf/content/participate.htm](http://www.unglobalcompact.org/gc/UNWeb.nsf/content/participate.htm). For more general information on the Global Compact, visit [www.unglobalcompact.org](http://www.unglobalcompact.org).

The other means by which businesses can support the Global Compact include the following:

Informing employees, shareholders, customers and suppliers;  
Integrating the Global Compact and ten principles into the corporate development and training programme;  
Incorporating the Global Compact principles in the company's mission statement;  
Including the Global Compact commitment in the company's Annual Report and other public documents;  
Issuing press releases to make the commitment public.

2. Providing, once a year, a concrete example of progress made or a lesson learned in implementing the principles, for posting on the Global Compact web site.

This letter should be sent to:

Mr. Ban Ki-moon  
Secretary-General  
United Nations  
New York, NY 10017

In addition, within the framework of the Global Compact, a company may wish to:

- actively support the principles and broad United Nations goals by initiating and participating in projects in partnership with the United Nations;
- participate in result-oriented issue dialogues related to the critical problems facing the world, e.g. The Role of Business in Zones of Conflict (March 2001).



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## The Ten Principles of the Global Compact

At the World Economic Forum, Davos, on 31 January 1999, the UN Secretary-General challenged world business leaders to "embrace and enact" the Global Compact, both in their individual corporate practices and by supporting appropriate public policies. The Global Compact's operational phase was launched at UN Headquarters in New York on 26 July 2000. During the first Global Compact Leaders Summit, held on 24 June 2004 at UN Headquarters in New York, the Secretary-General announced the addition of a tenth principle against corruption.

### Human Rights

- Principle 1: The support and respect of the protection of international human rights;
- Principle 2: The refusal to participate or condone human rights abuses.

### Labour

- Principle 3: The support of freedom of association and the recognition of the right to collective bargaining;
- Principle 4: The abolition of compulsory labour;
- Principle 5: The abolition of child labour;
- Principle 6: The elimination of discrimination in employment and occupation.

### Environment

- Principle 7: The implementation of a precautionary and effective program to environmental issues;
- Principle 8: Initiatives that demonstrate environmental responsibility;
- Principle 9: The promotion of the diffusion of environmentally friendly technologies.

### Anti-Corruption

- Principle 10: The promotion and adoption of initiatives to counter all forms of corruption, including extortion and bribery.

Vendors interested in participating in the Global Compact are encouraged to visit the Global Compact website at [www.unglobalcompact.org](http://www.unglobalcompact.org) for further information.