



**REQUEST FOR QUOTATION (RFQ)**  
**For the Supply, Delivery and Installation of Laboratory Equipment and accessories for Strengthening Support to NARC.**

NAME & ADDRESS OF FIRM	DATE: October 24, 2018
	REFERENCE: UNDP/RFQ/23/2018

Dear Sir / Madam:

We kindly request you to submit your quotation **for Supply, Delivery and Installation of Laboratory Equipment and Accessories for Strengthening Support to NARC**, as detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 2.

Quotations may be submitted on or before **3:00PM, November 7, 2018** in sealed envelope by *courier mail or hand delivery* to the address below:

**United Nations Development Programme**  
**Ref: UNDP/RFQ/23/2018**  
**The Registry, Reception, UN House**  
***Pulchowk, Lalitpur, Nepal***

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation.

Please take note of the following requirements and conditions pertaining to the above mentioned services:

Delivery Terms [INCOTERMS 2010] (Pls. link this to price schedule)	<input checked="" type="checkbox"/> <b>Other: Local delivery inclusive of taxes, duties and VAT</b>	
Customs clearance <sup>1</sup> , if needed, shall be done by:	<input checked="" type="checkbox"/> <b>Supplier/Offendor</b>	
Exact Address/es of Delivery Location/s (identify all, if multiple)	<b>United Nations Development Program (UNDP) Nepal UN House, Pulchowk Lalitpur, Nepal</b>	
UNDP Preferred Freight Forwarder, if any <sup>2</sup>	<b>Not applicable</b>	
Distribution of shipping documents (if using freight forwarder)	<b>Not applicable</b>	
Latest Expected Delivery Date and Time (if delivery time exceeds this, quote may be rejected by UNDP)	<input checked="" type="checkbox"/> <b>2 - 3 weeks upon issuance of the Purchase Order (PO)</b>  <div style="display: flex; justify-content: space-around;"> <span>[pls. indicate]</span> <span>[pls. indicate]</span> </div>	
Delivery Schedule	<input checked="" type="checkbox"/> <b>Required</b>	
Packing Requirements		
Mode of Transport		<input checked="" type="checkbox"/> <b>Road</b>
		[pls. specify]
Preferred Currency of Quotation <sup>3</sup>	<input checked="" type="checkbox"/> <b>Local Currency: Nepalese Rupees (NPR.) inclusive of VAT</b>	
Value Added Tax on Price Quotation <sup>4</sup>	<input checked="" type="checkbox"/> <b>Must be inclusive of VAT and other applicable indirect taxes</b>	

<sup>1</sup> Must be linked to INCO Terms chosen.

<sup>2</sup> Depends on INCO Terms. The suggestion to use a UNDP preferred courier is only for purposes of familiarity with procedures and documentary requirements applicable to the UNDP when clearing with customs.

<sup>3</sup> Local vendors must comply with any applicable laws regarding doing business in other currencies. Conversion of currency into the UNDP preferred currency, if the offer is quoted differently from what is required, shall be based only on UN Operational Exchange Rate prevailing at the time of UNDP's issuance of Purchase Order.

<sup>4</sup> This must be reconciled with the INCO Terms required by the RFQ. Furthermore, VAT exemption status varies from one country to another. Pls. tick whatever is applicable to the UNDP CO/BU requiring the goods.



	<input checked="" type="checkbox"/> <b>Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;</b> <p>[pls. specify as many as required]</p>
Period of Validity of Quotes starting the Submission Date	<input checked="" type="checkbox"/> <b>90 days</b>  In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation.
Partial Quotes	<input checked="" type="checkbox"/> <b>Not permitted</b>
Payment Terms <sup>6</sup>	<input checked="" type="checkbox"/> <b>100% Payment will be made after successful completion of the supply and installation services.</b>
Liquidated Damages	<input checked="" type="checkbox"/> The liquidated damages for delay shall be 0.5% of the Contract value per day of delay, up to a maximum duration of 30 days. Thereafter, the contract may be terminated by UNDP without further notice

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<sup>6</sup> UNDP preference is not to pay advanced amount upon signing of contract. If vendor strictly requires advanced payment, it will be limited only up to 20% of the total price quoted. For any higher percentage, or advanced payment of \$30,000 or higher, UNDP shall require the vendor to submit a bank guarantee or bank cheque payable to UNDP, in the same amount as the advanced payment made by UNDP to the vendor.

Evaluation Criteria <i>[check as many as applicable]</i>	<input checked="" type="checkbox"/> <b>Technical responsiveness/Full compliance to requirements and lowest price<sup>7</sup></b>  <input checked="" type="checkbox"/> <b>Full acceptance of the PO/Contract General Terms and Conditions</b> <i>[this is a mandatory criteria and cannot be deleted regardless of the nature of services required]</i>  <p style="text-align: center;"><i>[pls. specify]</i></p>
UNDP will award to:	<input checked="" type="checkbox"/> <b>One and only one supplier</b>
Type of Contract to be Signed	<input checked="" type="checkbox"/> <b>Purchase Order</b>  <input checked="" type="checkbox"/> <b>Other Type/s of Contract: UNDP's Contract for Civil Work</b>
Special conditions of Contract	<input checked="" type="checkbox"/> <b>Cancellation of PO/Contract if the delivery/completion is delayed by 30 days.</b> <p style="text-align: center;"><i>[pls. specify]</i></p>
Conditions for Release of Payment	<p style="text-align: center;"><i>[specify method, if possible]</i></p> <p style="text-align: center;"><i>[specify standard, if possible]</i></p> <p style="text-align: right;"><i>[specify]</i></p> <p style="text-align: center;"><i>no. of trainees, and location of training, if possible</i></p> <input checked="" type="checkbox"/> <b>Written Acceptance of completion of the services, based on full compliance with RFQ requirements</b> <p style="text-align: center;"><i>[pls. specify]</i></p>

<sup>7</sup> UNDP reserves the right not to award the contract to the lowest priced offer, if the second lowest price among the responsive offer is found to be significantly more superior, and the price is higher than the lowest priced compliant offer by not more than 10%, and the budget can sufficiently cover the price difference. The term "more superior" as used in this provision shall refer to offers that have exceeded the pre-determined requirements established in the specifications.

<sup>8</sup> This shall be used for time-critical and/or exigent requirements (e.g., post-crisis emergencies, elections, etc.).

<sup>9</sup> Minimum of one (1) year period and may be extended up to a maximum of three (3) years subject to satisfactory performance evaluation

Annexes to this RFQ <sup>10</sup>	<p> <input checked="" type="checkbox"/> <b>Schedule of Requirement and Specifications of Laptop Computers and Accessories (Annex 1)</b>  <input checked="" type="checkbox"/> <b>Form for Submission of Quotation (Annex 2)</b>  <input checked="" type="checkbox"/> <b>General Terms and Conditions / Special Conditions (Annex 3).</b> </p> <p style="text-align: center;"><i>[pls. specify, if any]</i></p> <p>Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.</p>
Contact address for Inquiries (Written inquiries only) <sup>11</sup>	<p> <i>Procurement Unit</i>  <i>UNDP Nepal</i>  <i>Email: <a href="mailto:query.procurement.np@undp.org">query.procurement.np@undp.org</a></i> </p> <p>Written inquiries must be submitted mentioning RFQ Ref: UNDP/RFQ/23/2018 (RKL), on or before <b>3:00PM</b> Nepal Standard Time on <b>29 October 2018</b>. UNDP shall upload the response to inquiries in the website by <b>30 October 2018</b>.  <a href="http://www.np.undp.org/content/nepal/en/home/operations/procurement.html">http://www.np.undp.org/content/nepal/en/home/operations/procurement.html</a>.</p> <p><b><u>Inquiries received after the above date and time shall not be entertained.</u></b></p> <p>Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.</p>

Goods offered shall be reviewed based on completeness and compliance of the quotation with the minimum specifications described above and any other annexes providing details of UNDP requirements.

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail and the total price shall be corrected. If the supplier does not accept the final price based on UNDP's re-computation and correction of errors, its quotation will be rejected.

<sup>10</sup> Where the information is available in the web, a URL for the information may simply be provided.

<sup>11</sup> This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was received.

After UNDP has identified the lowest price offer, UNDP reserves the right to award the contract based only on the prices of the goods in the event that the transportation cost (freight and insurance) is found to be higher than UNDP's own estimated cost if sourced from its own freight forwarder and insurance provider.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Purchase Order that will be issued as a result of this RFQ shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP herein attached as Annex 3.

UNDP is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process. **In the event that** you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

<http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/>

**UNDP encourages every prospective Vendor to** avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link: [http://www.un.org/depts/ptd/pdf/conduct\\_english.pdf](http://www.un.org/depts/ptd/pdf/conduct_english.pdf)

**Thank you and we look forward to receiving your quotation.**

**Sincerely yours,**



*Deepak Shrestha*  
Procurement Analyst  
October 24, 2018

**Schedule of Requirements and Specifications for Laboratory Equipment and Accessories for  
Strengthening Support to NARC**

**Technical Specification for Laboratory equipment  
of NARC**

S.N	Item Name	Qty	Technical Specification	Detail for Technical Specification
1	Stereo Microscope	1 set	High quality optical components providing sharp and striking contrast image and ensure flat image at big depth of field.	
			Ease the tiredness with ergonomic design.	
			With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 6000 hours.	
			Drawing tube	Digital viewing head, Inclined at 45°.
				5.0 MP CMOS Camera
			Diopter Adjustment Eyepiece	Extra wide field eyepiece WF10×/22
			Zoom Objective	0.8×- 5×, with click stops at 1x, 2x, 3x, 4x and 5x
			Zoom Ratio	6.3 : 1
			Working Distance	115mm
			Interpupillary Distance	52-75mm
			Glass Insert	Glass insert, Diameter 140mm
			Illumination	100V-240V/LED Incident illumination 100V-240V/LED
2	Spectrophotometer	1 set	Xenon pulse lamp source	
			Room light immunity	
			Central control by PC with Microsoft Windows Operating system	
			Spectral bandwidth	1.5 nm
			Wavelength range	190-1100 nm
			Maximum scan rate	24000 nm/min
			Maximum measurement rate	80 data points/head
			Photometric range	4 Abs
			Focused beam measuring	1.5 x 1 mm
			Monochromator	Czerny Turner
			Grating	Holographic, 27.5 x 35 mm, 2200 lines/mm, blaze angle 8.6 II at 240nm



3			Beam splitting system	Splitter
			Detectors	2 silicon diode detectors for simultaneous sample beam and reference beam measurements
			Optical design	Double beam Czerny turner monochromator
			UV-Vis limiting resolution (nm)	< 1.5 nm
			Toluene /hexane limiting resolution	>1.92
			Data collection rate	80 data points/second
			Temperature monitor	Temperature probe inside cuvette (using the temperature probe accessory)
			Minimum sampling volume	0.5 $\mu$ L
			Signal averaging	0.0125-999 seconds
			Maximum scan rate	24000 nm/min
			Data interval	0.15-5 nm
			Repetative scanning	4800 data points/min
	Colorimeter	1 set	Measuring Head	Portable, Handheld
			Illumination / Viewing system	45° illumination: -15° / 15° / 25° / 45° / 75° / 110° as specular viewing angles with double-path technology
			Detector	Silicon photocells (6)
			Display range	Y: 0.01% to 160.00% (reflectance)
			Light source	Pulsed xenon lamp
			Measurement time	1 sec.
			Minimum measurement interval	3 sec.
			Battery performance	Approx. 800 measurements
			Measurement / illumination area	$\phi$ 8mm / $\phi$ 11mm
			Repeatability	Within $\Delta E^*ab$ 0.07 standard deviation (when the white calibration plate is measured 30 times at intervals of 10 seconds)
			Inter-Instrument Agreement	$\Delta E^*ab$ : Within 0.6 Average of 12 BCRA Series II colors
			Observer	2° Closely matches CIE 1931 Standard Observer ( $\bar{x}\lambda$ , $\bar{y}\lambda$ , $\bar{z}\lambda$ )
			Illuminant	*C, D65
			Display	Colorimetric values, color difference values, PASS/WARN/FAIL display
			Tolerance judgment	Color difference tolerance
			Colorimetric data / indexes	XYZ, Y x y, L*a*b*, Hunter Lab, L*C*h, Munsell (only illuminant C), CMC (l:c), CIE1994, Lab99, LCh99, CIE2000, CIE WI-Tw (only illuminant D <sub>65</sub> ), WI ASTM E313 (only illuminant C), YI ASTM D1925 (only illuminant C), YI ASTM E313 (only illuminant C), User index (up to six can be registered from computer)
			Data memory	1000

			Display	dot-matrix LCD with backlight
			Interface	RS232C, US 2.0
			Power	AAA Battery
			Data Processor	
			Display range	Y: 0.01 to 160.00% (reflectance)
			Measurement time	1 seconds
			Minimum measurement interval	3 seconds
			Battery performance	Approx. 800 measurements
			Illuminant	C, D <sub>65</sub>
			Display	Colorimeter Values, color difference values, color difference graphs, PASS/WARN/FAIL display
			Tolerance judgment	Color difference tolerance
			Colorimetric data / indexes	XYZ, Y x y, L*a*b*, Hunter Lab, L*C*h, Munsell (only illuminant C), CMC (l:c), CIE1994, Lab99, LCh99, CIE2000, CIE WI-Tw (only illuminant D <sub>65</sub> ), WI ASTM E313 (only illuminant C), YI ASTM D1925 (only illuminant C), YI ASTM E313 (only illuminant C), User index (up to six can be registered from computer)
			Data memory	1,000
			Color difference target colors	100
			Calibration channels	20 channels (ch00 : white calibration, ch01 to ch19 : user calibration)
			Page function	100 pages
			Display	Dot-matrix LCD with backlight
			Printer	384 dot line thermal printer, automatic print all measurements
			Statistical function	Maximum, Minimum, average, and standard deviation
			Automatic measurement	Date and time display: year, month, day, hour, minute
			Interface	RS-232 compliant, USB 2.0
				Baud rate (bps): 19,200 fixed (when connected to PC)
				When measuring head is connected baud rate should automatically set to that of the measurement head
			Power	AA size alkaline or Ni-MH batteries
4	Autoclave Machine	1 set	Autoclave Machine	Vertical
				Microcomputer control system
				Unique anti scald design chamber for corrosion resistance
				Stainless steel modes
				User friendly control panel
				Multi-layered pressure protection

5	Refractometer	1 set		Fully automatic internal discharge control embedded with a steam trapping bottle
				Automatic checking of locking condition of cover
				Automatic sterilization according to preset time
			Safety device	self-induction pressure interlocking device, over temperature protection system, dry scorch protection system, over pressure protection, safety valve, over current and short circuit protection, cover inspection system, leakage protection device, anti-scald safely protection and automatic troubleshooting system
			Capacity	36 L
			Function	Fully automatic, drying function
			Temperature range	5°C to 138°C
			Sterilization temp.	105-135°C
			Warming temp.	45-60°C
			Warming time	1-9999 min
			Melting temp.	60-100
			Melting time	1-300 min.
			Humidity range	10% - 85% RH
			Working pressure	0-0.6MPa
			Power	2300 W
			Power Supply	220V , 50/60Hz
	Refractometer	1 set	<b>Scales</b>	
			Refractive Index	1.32 – 1.58
			Sugar (°Brix)	0-100
			User-defined	100
			<b>Resolution</b>	
			Refractive Index	0.01 / 0.00001 (selectable)
			Sugar (°Brix)	0-100
			<b>Accuracy</b>	
			Refractive Index	±0.00005
			Sugar (°Brix)	±0.04
			<b>Precision (Reproducibility)</b>	
			Refractive Index	±0.00001
			Sugar (°Brix)	±0.01
			User Scale Library	20+ pre-programmed scales including HFCS (3), sugar (4), sucrose SG (3), NaCl, Butyro, Wine Must (5), Urine SG (3), PHR-MEAN and more; plus customer programmable user scales via PC
			Reading time	Minimum 4 seconds (dependent on precision required)
			Measuring temperature range	0°C or 10°C below ambient whichever is greater to 70°C
			Temp. sensor accuracy	±0.03°C

			Sample temp. stability	±0.05°C
			Temp. Compensation	
			Sucrose (°Brix)	5 - 80°C
			AG Fluids	5 - 40°C
			User defined	simple coefficient (units/°C) or polynomial function
			Temp stability checks	None/delay/time/repeatability/smart
			Sample illumination	Light emitting diode 589m, (100,000+ hours)
			Prism / Dish	Artificial sapphire / stainless steel 316 / PEEK (spill barrier)
			Prism Seal	Silicon/Resin
			Interfaces	3 x USB(A), 1 x USB (B), 1 x Ethernet, 1 x Serial (RS232)
			Power	Instrument 24V DC
5	DA Meter	1 set	Range	0 – 5 DA
			Resolution	0,01
			Working temp.	0 - 70°C
			Memory	2 GB
			Display	Alpha-numeric/graphic
			Download data	USB port
			Batteries	AAA battery
6	Micropipette	(3 sets with different capacity each as mentioned below)	Easy operation for right- and left-handed users	
			Low pipetting forces	
			Highly durable shaft	
			UV resistant	
			Recalibration system	
			Autoclave able	
			<b>Capacity</b>	
		1 set	0.5-10µl,	
		1set	10-100µl	
		1set	100-1000µl	

**Note:** Detailed specification with catalogues/brochure of the offered equipment and accessories must be submitted with the bid.

Deepak Shrestha  
Procurement Analyst  
October 24, 2018

FORM FOR SUBMITTING SUPPLIER'S QUOTATION<sup>12</sup>(This Form must be submitted only using the Supplier's Official Letterhead/Stationery<sup>13</sup>)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply, deliver and install Laboratory **Equipment and Accessories for Strengthening Support to NARC** in conformity with the requirements of UNDP as per RFQ Reference No. UNDP/RFQ/23/2018:

**TABLE 1: Offer to Supply, Delivery and Installation of Equipment and Accessories for Strengthening Support to NARC**

S.N	Item Name	Qty	Technical Specification	Detail for Technical Specification	Unit Cost in Nrs.
1	Stereo Microscope	1 set	High quality optical components providing sharp and striking contrast image and ensure flat image at big depth of field.		
			Ease the tiredness with ergonomic design.		
			With LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 6000 hours.		
			Drawing tube	Digital viewing head, Inclined at 45°.	
				5.0 MP CMOS Camera	
			Diopter Adjustment Eyepiece	Extra wide field eyepiece WF10x/22	
			Zoom Objective	0.8x- 5x, with click stops at 1x, 2x, 3x, 4x and 5x	
			Zoom Ratio	6.3 : 1	
			Working Distance	115mm	
			Interpupillary Distance	52-75mm	
			Glass Insert	Glass insert, Diameter 140mm	
			Illumination	100V-240V/LED Incident illumination 100V-240V/LED	
2	Spectrophotometer	1 set	Xenon pulse lamp source		
			Room light immunity		

<sup>12</sup> This serves as a guide to the Supplier in preparing the quotation and price schedule.

<sup>13</sup> Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

			Central control by PC with Microsoft Windows Operating system		
			Spectral bandwidth	1.5 nm	
			Wavelength range	190-1100 nm	
			Maximum scan rate	24000 nm/min	
			Maximum measurement rate	80 data points/head	
			Photometric range	4 Abs	
			Focused beam measuring	1.5 x 1 mm	
			Monochromator	Czerny Turner	
			Grating	Holographic, 27.5 x 35 mm, 2200 lines/mm, blaze angle 8.6° at 240nm	
			Beam splitting system	Splitter	
			Detectors	2 silicon diode detectors for simultaneous sample beam and reference beam measurements	
			Optical design	Double beam Czerny turner monochromator	
			UV–Vis limiting resolution (nm)	< 1.5 nm	
			Toluene/hexane limiting resolution	>1.92	
			Data collection rate	80 data points/second	
			Temperature monitor	Temperature probe inside cuvette (using the temperature probe accessory)	
			Minimum sampling volume	0.5 µL	
			Signal averaging	0.0125-999 seconds	
			Maximum scan rate	24000 nm/min	
			Data interval	0.15-5 nm	
			Repetitive scanning	4800 data points/min	
<b>3</b>	<b>Colorimeter</b>	<b>1 set</b>	Measuring Head	Portable, Handheld	
			Illumination / Viewing system	45° illumination: -15° / 15° / 25° / 45° / 75° / 110° as specular viewing angles with double-path technology	
			Detector	Silicon photocells (6)	
			Display range	Y: 0.01% to 160.00% (reflectance)	
			Light source	Pulsed xenon lamp	
			Measurement time	1 sec.	
			Minimum measurement interval	3 sec.	
			Battery performance	Approx. 800 measurements	
			Measurement / illumination area	φ8mm / φ11mm	

		Repeatability	Within $\Delta E^*ab$ 0.07 standard deviation	
			(when the white calibration plate is measured 30 times at intervals of 10 seconds)	
		Inter-Instrument Agreement	$\Delta E^*ab$ : Within 0.6	
			Average of 12 BCRA Series II colors	
		Observer	2 ° Closely matches CIE 1931 Standard Observer ( $\bar{x}\lambda$ , $\bar{y}\lambda$ , $\bar{z}\lambda$ )	
		Illuminant	*C, D65	
		Display	Colorimetric values, color difference values, PASS/WARN/FAIL display	
		Tolerance judgment	Color difference tolerance	
		Colorimetric data / indexes	XYZ, Y x y, L*a*b*, Hunter Lab, L*C*h, Munsell (only illuminant C), CMC (l:c), CIE1994, Lab99, LCh99, CIE2000, CIE WI-Tw (only illuminant D <sub>65</sub> ), WI ASTM E313 (only illuminant C), YI ASTM D1925 (only illuminant C), YI ASTM E313 (only illuminant C), User index (up to six can be registered from computer)	
		Data memory	1000	
		Display	dot-matrix LCD with backlight	
		Interface	RS232C, US 2.0	
		Power	AAA Battery	
		Data Processor		
		Display range	Y: 0.01 to 160.00% (reflectance)	
		Measurement time	1 seconds	
		Minimum measurement interval	3 seconds	
		Battery performance	Approx. 800 measurements	
		Illuminant	C, D <sub>65</sub>	
		Display	Colorimeter Values, color difference values, color difference graphs, PASS/WARN/FAIL display	
		Tolerance judgment	Color difference tolerance	
		Colorimetric data / indexes	XYZ, Y x y, L*a*b*, Hunter Lab, L*C*h, Munsell (only illuminant C), CMC (l:c), CIE1994, Lab99, LCh99, CIE2000, CIE WI-Tw (only illuminant D <sub>65</sub> ), WI ASTM E313 (only illuminant C), YI ASTM D1925 (only illuminant C), YI ASTM E313 (only illuminant C), User index (up to six can be registered from computer)	

			Data memory	1,000	
			Color difference target colors	100	
			Calibration channels	20 channels (ch00 : white calibration, ch01 to ch19 : user calibration)	
			Page function	100 pages	
			Display	Dot-matrix LCD with backlight	
			Printer	384 dot line thermal printer, automatic print all measurements	
			Statistical function	Maximum, Minimum, average, and standard deviation	
			Automatic measurement	Date and time display: year, month, day, hour, minute	
			Interface	RS-232 compliant, USB 2.0	
				Baud rate (bps): 19,200 fixed (when connected to PC)	
				When measuring head is connected baud rate should automatically set to that of the measurement head	
			Power	AA size alkaline or Ni-MH batteries	
4	Autoclave Machine	1 set	Autoclave Machine	Vertical	
				Microcomputer control system	
				Unique anti scald design chamber for corrosion resistance	
				Stainless steel modes	
				User friendly control panel	
				Multi-layered pressure protection	
				Fully automatic internal discharge control embedded with a steam trapping bottle	
				Automatic checking of locking condition of cover	
				Automatic sterilization according to preset time	
			Safety device	self-induction pressure interlocking device, over temperature protection system, dry scorch protection system, over pressure protection, safety valve, over current and short circuit protection, cover inspection system, leakage protection device, anti-scald safely protection and automatic troubleshooting system	
			Capacity	36 L	
			Function	Fully automatic, drying function	



			Temperature range	5°C to 138°C	
			Sterilization temp.	105-135°C	
5	Refractometer	1 set	Warming temp.	45-60°C	
			Warming time	1-9999 min	
			Melting temp.	60-100	
			Melting time	1-300 min.	
			Humidity range	10% - 85% RH	
			Working pressure	0-0.6MPa	
			Power	2300 W	
			Power Supply	220V , 50/60Hz	
			<b>Scales</b>		
			Refractive Index	1.32 – 1.58	
			Sugar (°Brix)	0-100	
			User-defined	100	
			<b>Resolution</b>		
			Refractive Index	0.01 / 0.00001 (selectable)	
			Sugar (°Brix)	0-100	
			<b>Accuracy</b>		
			Refractive Index	±0.00005	
			Sugar (°Brix)	±0.04	
			<b>Precision (Reproducibility)</b>		
			Refractive Index	±0.00001	
			Sugar (°Brix)	±0.01	
			User Scale Library	20+ pre-programmed scales including HFCS (3), sugar (4), sucrose SG (3), NaCl, Butyro, Wine Must (5), Urine SG (3), PHR-MEAN and more; plus customer programmable user scales via PC	
			Reading time	Minimum 4 seconds (dependent on precision required)	
			Measuring temperature range	0°C or 10°C below ambient whichever is greater to 70°C	
			Temp. sensor accuracy	±0.03°C	
			Sample temp. stability	±0.05°C	
			Temp. Compensation		
			Sucrose (°Brix)	5 - 80°C	
			AG Fluids	5 - 40°C	
			User defined	simple coefficient (units/°C) or polynomial function	
			Temp stability checks	None/delay/time/repeatability/smart	
			Sample illumination	Light emitting diode 589m, (100,000+ hours)	
			Prism / Dish	Artificial sapphire / stainless steel 316 / PEEK (spill barrier)	
			Prism Seal	Silicon/Resin	

			Interfaces	3 x USB(A), 1 x USB (B), 1 x Ethernet, 1 x Serial (RS232)	
			Power	Instrument 24V DC	
5	DA Meter	1 set	Range	0 – 5 DA	
			Resolution	0,01	
			Working temp.	0 - 70°C	
			Memory	2 GB	
			Display	Alpha-numeric/graphic	
			Download data	USB port	
			Batteries	AAA battery	
6	Micropipette	(3 sets with different capacity each as mentioned below)	Easy operation for right- and left-handed users		
			Low pipetting forces		
			Highly durable shaft		
			UV resistant		
			Recalibration system		
			Autoclave able		
			<b>Capacity</b>		
		1 set	0.5-10µl,		
		1set	10-100µl		
		1set	100-1000µl		

	<b>Total in Nrs. Including VAT</b>	
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**Note:** Detailed specification with catalogues/brochure of the offered equipment and accessories must be submitted with the bid.

**TABLE 3: Offer to Comply with Other Conditions and Related Requirements**

Other Information pertaining to our Quotation are as follows:	Your Responses		
	<i>Yes, we will comply</i>	<i>No, we cannot comply</i>	<i>If you cannot comply, pls. indicate counter proposal</i>
Delivery Lead Time			
Estimated weight/volume/dimension of the Consignment:	NA		
Country/ies of Origin <sup>14</sup> :			
Warranty and After-Sales Requirements			
a) Training on Operations and Maintenance	NA		
b) Minimum three (3) years warranty on both parts and labor			

<sup>14</sup> If the country of origin requires Export License for the goods being procured, or other relevant documents that the country of destination may require, the supplier must submit them to UNDP if awarded the PO/contract.

c) Service Unit to be Provided when the Purchased Unit is Under Repair	NA		
d) Brand new replacement if Purchased item is not working			
e) Others			
Validity of Quotation			
All Provisions of the UNDP General Terms and Conditions			
Other requirements <i>[pls. specify]</i>	NA		

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

*[Name and Signature of the Supplier's Authorized Person]*

*[Designation]*

*[Date]*

## **General Terms and Conditions**

### **1. ACCEPTANCE OF THE PURCHASE ORDER**

This Purchase Order may only be accepted by the Supplier's signing and returning an acknowledgement copy of it or by timely delivery of the goods in accordance with the terms of this Purchase Order, as herein specified. Acceptance of this Purchase Order shall effect a contract between the Parties under which the rights and obligations of the Parties shall be governed solely by the terms and conditions of this Purchase Order, including these General Conditions. No additional or inconsistent provisions proposed by the Supplier shall bind UNDP unless agreed to in writing by a duly authorized official of UNDP.

### **2. PAYMENT**

- 2.1 UNDP shall, on fulfillment of the Delivery Terms, unless otherwise provided in this Purchase Order, make payment within 30 days of receipt of the Supplier's invoice for the goods and copies of the shipping documents specified in this Purchase Order.
- 2.2 Payment against the invoice referred to above will reflect any discount shown under the payment terms of this Purchase Order, provided payment is made within the period required by such payment terms.
- 2.3 Unless authorized by UNDP, the Supplier shall submit one invoice in respect of this Purchase Order, and such invoice must indicate the Purchase Order's identification number.
- 2.4 The prices shown in this Purchase Order may not be increased except by express written agreement of UNDP.

### **3. TAX EXEMPTION**

- 3.1 Section 7 of the Convention on the Privileges and Immunities of the United Nations provides, inter alia, that the United Nations, including its subsidiary organs, is exempt from all direct taxes, except charges for utilities services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize UNDP's exemption from such taxes, duties or charges, the Supplier shall immediately consult with UNDP to determine a mutually acceptable procedure.
- 3.2 Accordingly, the Supplier authorizes UNDP to deduct from the Supplier's invoice any amount representing such taxes, duties or charges, unless the Supplier has consulted with UNDP before the payment thereof and UNDP has, in each instance, specifically authorized the Supplier to pay such taxes, duties or charges under protest. In that event, the Supplier shall provide UNDP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized.

### **4. RISK OF LOSS**

Risk of loss, damage to or destruction of the goods shall be governed in accordance with Incoterms 2010, unless otherwise agreed upon by the Parties on the front side of this Purchase Order.

### **5. EXPORT LICENCES**

Notwithstanding any INCOTERM 2010 used in this Purchase Order, the Supplier shall obtain any export licences required for the goods.

### **6. FITNESS OF GOODS/PACKAGING**

The Supplier warrants that the goods, including packaging, conform to the specifications for the goods ordered under this Purchase Order and are fit for the purposes for which such goods are ordinarily used and for purposes expressly made known to the Supplier by UNDP, and are free from defects in workmanship and materials. The Supplier also warrants that the goods are contained or packaged adequately to protect the goods.

## **7. INSPECTION**

7.1 UNDP shall have a reasonable time after delivery of the goods to inspect them and to reject and refuse acceptance of goods not conforming to this Purchase Order; payment for goods pursuant to this Purchase Order shall not be deemed an acceptance of the goods.

7.2 Inspection prior to shipment does not relieve the Supplier from any of its contractual obligations.

## **8. INTELLECTUAL PROPERTY INFRINGEMENT**

The Supplier warrants that the use or supply by UNDP of the goods sold under this Purchase Order does not infringe any patent, design, trade-name or trade-mark. In addition, the Supplier shall, pursuant to this warranty, indemnify, defend and hold UNDP and the United Nations harmless from any actions or claims brought against UNDP or the United Nations pertaining to the alleged infringement of a patent, design, trade-name or trade-mark arising in connection with the goods sold under this Purchase Order.

## **9. RIGHTS OF UNDP**

In case of failure by the Supplier to fulfil its obligations under the terms and conditions of this Purchase Order, including but not limited to failure to obtain necessary export licences, or to make delivery of all or part of the goods by the agreed delivery date or dates, UNDP may, after giving the Supplier reasonable notice to perform and without prejudice to any other rights or remedies, exercise one or more of the following rights:

9.1 Procure all or part of the goods from other sources, in which event UNDP may hold the Supplier responsible for any excess cost occasioned thereby.

9.2 Refuse to accept delivery of all or part of the goods.

9.3 Cancel this Purchase Order without any liability for termination charges or any other liability of any kind of UNDP.

## **10. LATE DELIVERY**

Without limiting any other rights or obligations of the parties hereunder, if the Supplier will be unable to deliver the goods by the delivery date(s) stipulated in this Purchase Order, the Supplier shall (i) immediately consult with UNDP to determine the most expeditious means for delivering the goods and (ii) use an expedited means of delivery, at the Supplier's cost (unless the delay is due to Force Majeure), if reasonably so requested by UNDP.

## **11. ASSIGNMENT AND INSOLVENCY**

11.1. The Supplier shall not, except after obtaining the written consent of UNDP, assign, transfer, pledge or make other disposition of this Purchase Order, or any part thereof, or any of the Supplier's rights or obligations under this Purchase Order.

11.2. Should the Supplier become insolvent or should control of the Supplier change by virtue of insolvency, UNDP may, without prejudice to any other rights or remedies, immediately terminate this Purchase Order by giving the Supplier written notice of termination.

## **12. USE OF UNDP OR UNITED NATIONS NAME OR EMBLEM**

The Supplier shall not use the name, emblem or official seal of UNDP or the United Nations for any purpose.

## **13. PROHIBITION ON ADVERTISING**

The Supplier shall not advertise or otherwise make public that it is furnishing goods or services to UNDP without specific permission of UNDP in each instance.

#### **14. CHILD LABOUR**

The Supplier represents and warrants that neither it nor any of its affiliates is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral or social development.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

#### **15. MINES**

The Supplier represents and warrants that neither it nor any of its affiliates is actively and directly engaged in patent activities, development, assembly, production, trade or manufacture of mines or in such activities in respect of components primarily utilized in the manufacture of Mines. The term "Mines" means those devices defined in Article 2, Paragraphs 1, 4 and 5 of Protocol II annexed to the Convention on Prohibitions and Restrictions on the Use of Certain Conventional Weapons Which May Be Deemed to Be Excessively Injurious or to Have Indiscriminate Effects of 1980.

Any breach of this representation and warranty shall entitle UNDP to terminate this Purchase Order immediately upon notice to the Supplier, without any liability for termination charges or any other liability of any kind of UNDP.

#### **16. SETTLEMENT OF DISPUTES**

**16.1 Amicable Settlement.** The Parties shall use their best efforts to settle amicably any dispute, controversy or claim arising out of, or relating to this Purchase Order or the breach, termination or invalidity thereof. Where the Parties wish to seek such an amicable settlement through conciliation, the conciliation shall take place in accordance with the UNCITRAL Conciliation Rules then obtaining, or according to such other procedure as may be agreed between the Parties.

**16.2 Arbitration.** Unless, any such dispute, controversy or claim between the Parties arising out of or relating to this Purchase Order or the breach, termination or invalidity thereof is settled amicably under the preceding paragraph of this Section within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, such dispute, controversy or claim shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining, including its provisions on applicable law. The arbitral tribunal shall have no authority to award punitive damages. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

#### **17. PRIVILEGES AND IMMUNITIES**

Nothing in or related to these General Terms and Conditions or this Purchase Order shall be deemed a waiver of any of the privileges and immunities of the United Nations, including its subsidiary organs.

#### **18. SEXUAL EXPLOITATION:**

**18.1** The Contractor shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by it or by any of its employees or any other persons who may be engaged by the Contractor to perform any services under the Contract. For these purposes, sexual activity with any person less than eighteen years of age, regardless of any laws relating to consent, shall constitute the sexual exploitation and

abuse of such person. In addition, the Contractor shall refrain from, and shall take all appropriate measures to prohibit its employees or other persons engaged by it from, exchanging any money, goods, services, offers of employment or other things of value, for sexual favors or activities, or from engaging in any sexual activities that are exploitive or degrading to any person. The Contractor acknowledges and agrees that the provisions hereof constitute an essential term of the Contract and that any breach of this representation and warranty shall entitle UNDP to terminate the Contract immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind.

- 18.2 UNDP shall not apply the foregoing standard relating to age in any case in which the Contractor's personnel or any other person who may be engaged by the Contractor to perform any services under the Contract is married to the person less than the age of eighteen years with whom sexual activity has occurred and in which such marriage is recognized as valid under the laws of the country of citizenship of such Contractor's personnel or such other person who may be engaged by the Contractor to perform any services under the Contract.

**19.0 OFFICIALS NOT TO BENEFIT:**

The Contractor warrants that no official of UNDP or the United Nations has received or will be offered by the Contractor any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of this Contract.

**20. AUTHORITY TO MODIFY:**

Pursuant to the Financial Regulations and Rules of UNDP, only the UNDP Authorized Official possess the authority to agree on behalf of UNDP to any modification of or change in this Agreement, to a waiver of any of its provisions or to any additional contractual relationship of any kind with the Contractor. Accordingly, no modification or change in this Contract shall be valid and enforceable against UNDP unless provided by an amendment to this Agreement signed by the Contractor and jointly by the UNDP Authorized Official.