

Date: July 31, 2019

REQUEST FOR QUOTATION (RFQ)

Dear Sir/Madam:

We kindly request you to submit your quotation for **Procurement of Energy Conservation Building Code (ECBC) Laboratory Equipment** 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 close of business Wednesday, August 14, 2019 (proposals cannot be received after 04:30 P.M.) and via courier mail or UNDP Registry Email to the addresses below:

United Nations Development Programme
No. 8, Shahrzad Blvd, Darrou, Tehran – Iran
Attention: Mr. Gagik Gevorkian
Fax: (+98) 21 22 86 95 47

UNDP Registry Email Address
registry.ir@undp.org

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 supply of the abovementioned good/s:

Delivery Terms [INCOTERMS 2010]	CIP-Tehran
Customs clearance, if needed, shall be done by:	For international bidders, the Customs Clearance will be carried out by UNDP
Exact Address/es of Delivery Location/s	International bidders: Imam Khomeini Airport National bidders: The items should be delivered to a warehouse in Tehran (the complete address will be provided after contracting)
UNDP Preferred Freight Forwarder, if any	Not applicable
Distribution of shipping documents	Required for International bidders
Latest Expected Delivery Date and Time (if delivery time exceeds this, quote may be rejected by UNDP)	45 days from the issuance of the Purchase Order (PO)
Delivery Schedule	Required
Packing Requirements	Ship-worthy packaging and protective foam ensuring safe shipment and storage
Mode of Transport	Air for International Bidders
Preferred Currency of Quotation	National bidders: Iranian Rial Note: For the local suppliers the purchase order will be issued, and the payment(s) will be made in local currency (Iranian Rial).



	<p>International Bidders: Euro</p> <p>Note: For the international suppliers the purchase order will be issued, and the payment(s) will be made in Euro.</p> <p>For the purpose of comparison of all offers, UNDP will convert the currency quoted in the offer into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Offers.</p> <p>Please refer to below website for the updated exchange rates: http://treasury.un.org/operationalrates/OperationalRates.aspx</p>
Value Added Tax on Price Quotation	<p>Must be exclusive of VAT and other applicable indirect taxes for International bidders.</p> <p>National bidders shall include VAT and other applicable indirect taxes in their quotations.</p>
After-sales services required	<p>All the devices should have original guarantee and warranty (The installation will be done by end user)</p>
Deadline for the Submission of Quotation	<p>As specified in the notification</p>
All documentations, including catalogues, instructions and operating manuals, shall be in this language	<p>English</p>
Documents to be submitted	<ul style="list-style-type: none"> • Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1 including the detailed specifications of the devices; • Latest Business Registration Certificate of the bidder; • Company Profile, which should not exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods/services being procured • Company's list of similar contracts; • Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List; • Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer) •
Other Documents	<ul style="list-style-type: none"> • Product(s) Catalogue
Period of Validity of Quotes starting the Submission Date	<p>30 days</p> <p>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 vendor shall then confirm the extension in writing, without any modification whatsoever on the Quotation.</p>
Partial Quotes	<p>Permitted</p> <p>The bidders are allowed to quote for each lot or preferred combination of lots or all lots together. The quotation should include all items of each lot and partial bid on each lot is not allowed. Below please see the description of requested items under each lot:</p> <p>Lot 1:</p> <ul style="list-style-type: none"> • Blower Door System



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	<p>Lot 2:</p> <ul style="list-style-type: none"> Data Logger including: <ul style="list-style-type: none"> Handheld Reader and Data Logger Heat Flow Logger Wireless Logging Station Wireless Universal Unit <p>Lot 3:</p> <ul style="list-style-type: none"> Heat Flow Sensor <p>Lot 4:</p> <ul style="list-style-type: none"> Thermal Emissometer <p>Lot 5:</p> <ul style="list-style-type: none"> Pyranometer including: <ul style="list-style-type: none"> Pyranometer With Glare Screen Kit Shadow Ring Mounting Fixture Ventilation Unit Adjustable Tilt Radiometer Mounting Kit Data Logger for pyranometer <p>Lot 6:</p> <ul style="list-style-type: none"> Infrared Camera
Payment Terms	20% within two weeks after signing the Purchase Contract 80% after complete delivery of goods
Liquidated Damages	Will be imposed under the following conditions: 0.5% of contract for every week of delay, up to a maximum duration of 1 calendar month. Thereafter, the contract may be terminated.
Evaluation Criteria	<ul style="list-style-type: none"> Technical responsiveness/Full compliance to requirements and lowest price Full acceptance of the PO/Contract General Terms and Conditions Earliest Delivery / Shortest Lead Time
UNDP will award to:	One and only one supplier for each lot
Type of Contract to be Signed	Purchase Order
Special conditions of Contract	The purchase order/contract may be cancelled if the delivery is delayed by 30 days.
Conditions for Release of Payment	<ul style="list-style-type: none"> Passing Post-shipment Inspection Written Acceptance of Goods based on full compliance with RFQ requirements by the end-user Others



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Annexes to this RFQ	<ul style="list-style-type: none"> • Specifications of the Goods Required (Annex 1) • Form for Submission of Quotation (Annex 2) • General Terms and Conditions/Special Conditions (Annex 3) <p>Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.</p>
Contact Person for Inquiries (Written inquiries only)	<p>Focal Person in UNDP: Mr. Gagik Gevorkian Procurement Analyst Address: No. 8 Shahrzad Boulevard, Darrous, Tehran – Iran Fax No. :(+98) 21 22 86 95 47 E-mail address dedicated for this purpose: gagik.gevorkian@undp.org</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.

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

Thank you and we look forward to receiving your quotation.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Nazli Alavi', is written over a horizontal line.

Nazli Alavi
Procurement Analyst
Head of Procurement



Annex 1-A
Technical Specifications – Lot 1
Blower Door System

- **Quantity:** 1
- **Description:** in order to find out the air leakage from the rooms/ buildings we need to have measurement can be performed by pressurization (or de-pressurization) or by injection of tracer gas. The first method commonly performed by a movable & adjustable door can lead to an accurate estimation of the air leakage rate in energy audit & monitoring projects. To determine ACH, the blower door creates a pressure difference between inside and outside. The amount of air the fan blows is used to determine ACH. The leakier the house, the harder the fan must work to maintain the pressure. On the other hand, this equipment can be used for finding hidden air leakage sites, called bypasses.

Required Specification:

- Lightweight and adaptable to common building & apartment entry doors
- Measurement with pressure difference between 10 & 60 Pa for ACH up to 10000 m3/h (6000 cfm)
- Wifi link
- Accuracy of measurement higher than 5%
- Two or three Fan System
- Minimum 2 years Guarantee and 4-years Warranty

Annex 1-B
Technical Specifications – Lot 2
Data Logger

a) Handheld Reader and Data Logger

- **Quantity:** 3
- **Description:** a high accuracy handheld read-out unit / data logger is required for mobile measurements, with a variety of sensors for short term data logging (as a static logger), and as an accurate millivolt amplifier directly connected to a PC.
It must display the measured solar radiation or heat flux (+ units). It must be battery-powered, using the usual type of batteries. Once programmed with the sensitivity of the connected sensor, the display must show the actual value of the heat flux or solar radiation in W/m^2 . The system must be supplied in a practical transport case, for easy transport and protection during field measurement campaigns.

Required Specification:

- Input: 1 or more channels analogue voltage
- Output on display: heat flux, solar radiation
- Conversion: division by the sensor sensitivity
- Display definition: 4 digits with sign
- Display refreshment rate: $1 s^{-1}$
- Calibration uncertainty: 0.1 %
- Temperature dependence: $< 0.5 \% + 3 \times 10^{-6} V$ over rated range
- Sample rate: $2 s^{-1}$
- Rated input range: 6.25 to $200 \times 10^{-3} V$ (selectable)
- A/D conversion: 16 bits
- Stored measurement definition: minimum-maximum and average over storage interval with conversion to W/m^2
- Minimum Storage capacity: 3500 measurements
- Storage interval range: 2 to 65535 s (selectable)
- Battery life :> 50 days
- Connection to PC: USB 1.1 / 2.0
- IP protection class: IP40
- Minimum 1-year Guarantee and 4-year warranty

b) Heat Flow Logger

- **Quantity:** 4
- **Description:** Measurement of temperature at multiple locations is an important part of the thermal performance testing system. Also, it is difficult to determine how heat is flowing by temperature measurement alone. Heat flow measurement is necessary in order to understand the movement of thermal energy, which is the principal cause of changes in temperature. To measure heat flows requires a heat flow sensor and a measuring instrument.

Required Specification:

- Short-term field measurement of solar radiation or heat flux
- Simultaneous measurement of 12 channels (minimum)
- Amplification of heat flux sensor signals
- Programmable storage interval and starting time of storage
- Minimum 1 years Guarantee and 4 years warranty

Specialized functions for heat flow measurement:

- Easy scaling settings: Directly enter the sensitivity of the heat flow sensor
- Calculations: Waveform processing function for the analysis of temperature and heat flow (Simple average, moving average, integration, heat transmission coefficient), Integration with numerical calculations
- Analog inputs: 10 isolated analog channels using a scanning input method (M3 mm dia. screw terminal block)
- Voltage measurement range: ± 10 mV to ± 60 V, 1-5V, Max. resolution 500 nV
- Temperature: Thermocouples -200 °C to 1800 °C (depending on sensor), thermocouples (K, J, E, T, N, R, S, B), Max. resolution 0.1 °C
- Max. allowable input: 60 V DC. Max. the rated voltage between input channels] [Max. rated voltage to earth]
- 30 AC Vrms, 60 V DC (max. voltage between input channel terminals, and from terminals to chassis ground without damage)
- Pulse inputs: No. of channels- 4 pulse input channels
- Totalized pulses: 0 to 1000M (count) (No-voltage 'a' contact, open collector or voltage input), Max. resolution 1 pulse
- [Rotation count] 0 to 5000/n (r/s), Resolution $1/n$ (r/s) * n = pulses per rotation (1 to 1,000)
- [Max. allowable input] 0 to 10 V DC
- [Max. the rated voltage between input channels] [Max. rated voltage to earth] Non-isolated
- Recording intervals: 10 ms to 1 hour
- Selectable filters: 50 Hz, 60 Hz, or OFF (digital filtering of high frequencies on analog channels)
- Memory capacity: Internal storage: 3.5 M-words, External storage: CF card or USB memory stick
- External interface: USB 2.0
- Display: 4.3-inch WQVGA-TFT color LCD (480×272 dots)
- Functions: Save data to the CF Card or USB memory stick in real-time, Numerical Calculations, etc.
- Power supply: AC Adapter 100 to 240 VAC (50/60 Hz)
- Battery Pack: Continuous use of 2.5 hours
- External power source: 10 to 16 V

c) Wireless Logging Station

- **Quantity:** 1
- **Description:** The high-speed data logger is needed for recording multiple channels of voltage, temperature, resistance or humidity signals, providing complete isolation between channels and strong noise resistance. This wireless logging system must log up to 100 channels of data wirelessly using Bluetooth wireless technology. **It must be computable with a data logger wireless universal unit.**

Required Specification:

- Capture logging data using Bluetooth wireless technology. Install logging modules in hard-to-reach locations (over line-of-sight distances of up to 30 meters)
 - Choose an input unit based on the parameters we wish to measure (15-channel and 2-channel units are available)
 - Easily add up to 7 input units wirelessly to keep our environment free of tangled wires (for a total of up to 105 channels when using 15-channel units)
 - 100 msec simultaneous samplings across all channels using a rapid scanning method
 - Quick Set guide
- Wireless logging stations must control up to seven logging modules and compatible to take measurements at multiple remote locations as part of the same time-series.

- Minimum 2 years Guarantee and 4 years Warranty

Specialized functions for Data logger - WIRELESS LOGGING STATION

- (Compatible with Datalogger - WIRELESS UNIVERSAL UNIT)
- Control and communications: Between instrument and unit: Bluetooth® 2.1 + EDR, Communications range: 30 m (98.43 ft), Security: SSP
- No. of supported measurement unit Support: 7 modules with Bluetooth® wireless technology
- No. of supported measurement channels: Minimum 100 ch (use 7 units)
- Recording intervals: 100 ms to 1 hour, 16 selections
- Minimum Data storage:
- Internal memory: 8 M-words,
- Data storage media: SD memory card or USB memory stick
- Interface: LAN: 100BASE-TX for Data acquisition using bundled software or PC commands, FTP server, FTP client, HTTP server function, or E-mail system
- USB: USB 2.0 for Data acquisition using bundled software or PC commands, Transfer data from the SD memory card to a PC via the USB drive mode
- Display device: Minimum (640 × 480 pixel)
- Power supply: AC adapter ~ 100 to 240 V AC, 50/60 Hz
- Internal battery: Battery pack Minimum 3 hours of continuous use
- External power: 10 to 28 V DC
- Compatible models: LabVIEW MATLAB script

d) Wireless Universal Unit

- **Quantity:** 3
- **Description:** The high-speed data loggers are commonly used for recording multiple channels of voltage, temperature, resistance or humidity signals. Some models providing complete isolation between channels and strong noise resistance are required for measuring voltage, temperature, humidity or resistance, utilizing Bluetooth® wireless technology to send measured data to the Wireless Logging Station.

Required Specification:

- An input module to capture logging data using Bluetooth® wireless technology. Install logging modules in hard-to-reach locations (over line-of-sight distances of up to 30 meters)
- Choose an input module based on the parameters we wish to measure (15-channel type)
- Easily add up to 7 input modules wirelessly to keep our environment free of tangled wires (for a total of up to 7 modules, max. 105 channels when using 15-channel modules)
- 100 msec simultaneous samplings across all channels using rapid scanning method
- Minimum 1 year Guarantee and 4 years warranty.

Specialized functions for Data logger - Wireless Universal Unit

- Compatible with Datalogger - WIRELESS LOGGING STATION
- Control and communications: Between instrument and unit: Bluetooth® 2.1 + EDR, Communications range: 30 m (98.43 ft), Security: SSP
- Measurement parameters
- No. of channels: 15 analog channels; isolated scanning method input
- Voltage: ±10 mV to ±100 V, 1-5 V f.s., max. 500 nV resolution
- Temperature: Thermocouples -200 °C to 2000 °C (depends on a sensor), Thermocouples (K, J, T, or other), max. 0.01 °C resolution
- Temperature: Pt 100, JPt 100 sensor] -200 °C to 800 °C, max. 0.01 °C resolution (not isolated between channels)
- Resistance: 0 Ω to 200 Ω f.s., max. 0.5 mΩ resolution (not isolated between channels)



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- Humidity: 5.0 to 95.0 % rh (use with optional sensor), 0.1 % rh resolution (not isolated between channels)
- Max. the rated voltage between isolated input channels: 300 V DC
- Max. allowable input: ± 100 V DC
- Max. the rated voltage from isolated terminals to ground: 300 V AC, DC
- Power supply: AC adapter 100 to 240 V AC, 50/60 Hz
- Internal battery: Battery Pack, minimum of 24 hours of continuous use
- External power: 10 to 28 V DC



Annex 1-C
Technical Specifications – Lot 3
Heat Flow Sensor

- **Quantity:** 8
- **Description.** The measurement of temperature at multiple locations is an important part of the development process for products. Temperature measurement plays an essential role in the development of residential and environmental energy equipment and in the testing of automotive engine compartments. However, it is difficult to determine how heat is flowing by temperature measurement alone. Heat flow measurement is necessary to understand the movement of thermal energy, which is the principal cause of changes in temperature. To measure heat flows requires a heat flow sensor and a measuring instrument

Required Specification:

- Measure the movement and volume of heat energy
- Waterproof heat flow sensor that can measure curved surfaces
- Isolation of heat generated and dissipated in automotive parts
- Evaluate the thermal performance of building materials
- Study the impact of body heat
- Index temperature fluctuation in agriculture and civil engineering
- Minimum 1-year Guarantee.



Annex 1-D
Technical Specifications – Lot 4
Thermal Emissometer

- **Quantity:** 1
- **Description:** The emissivity of building envelope elements' surfaces is a key factor for the determination of building performance regarding longwave radiation. For this purpose, the surface to be measured is subjected to the thermal radiation of the black body at a temperature of 100°C for a short time. To obtain complete homogenous illumination of the measuring surface, the radiator must be designed in the form of a spherical half-space. This allows measuring rough and structured surfaces, too. A portion of the reflected radiation hits the radiation sensor through an opening in the radiator. Determination of the emission level results from the comparison between the reflection values of the sample and the stored reference values of two calibrated standards.
This apparatus can be used for the Quality control for coated glasses and other systems & coatings in use for facades, as well as the quality assurance of solar collectors.

Required Specification:

- Simple measurement in seconds
- High measuring precision
- Operation at the touch of a button
- Measurement object remains at ambient temperature
- Spectral measuring range of 2.5 to 40 μm
- Emissivity measuring range: 0.007 to 0.98
- Precision ± 0.005
- Measurement period <5 sec
- Minimum 2 years Guarantee and 4 years warranty.

Annex 1-E
Technical Specifications – Lot 5
Pyranometer

a) Pyranometer with glare screen kit

- **Quantity:** 2
- **Description:** solar radiation integrated over the wavelength range from 0.3 to 3 μm (300 to 3000 nm), and the preparation of corresponding weather data files. The high-quality radiometers designed can use for measuring short-wave irradiance on a plane surface (radiant flux, W/m^2) which results from the sum of the direct solar radiation and the diffuse sky radiation incident from the hemisphere above the instrument to achieve the required spectral and directional characteristics. The preferred item uses two of the same sensing elements as fitted to pyranometer, for similarly improved performance. Generally, the pyranometer does not require any power, it supplies a low voltage of 0 to 20 mV concerning the amount of incoming radiation. When a higher voltage level or a 4 to 20 mA signal is required.

With selected pyranometer with tools and accessories such as; shadow ring, mounting fixture, Ventilating radiometers, Adjustable Tilt Radiometer Mounting Kit and specific data logger to send the data will be used to measure irradiance.

In order to improve the reliability and accuracy of measurements and reduces maintenance by high-quality ventilation unit designed to be used with the higher performance solar instruments. The ventilation of radiometers improves the reliability and accuracy of the measurement by reducing dust, raindrops, and dew on the dome. With thermopile-based instruments, ventilation stabilizes the temperature of the radiometer and suppresses thermal offsets. The integrated heater can be used to disperse precipitation and melt frost, or even melt snow and ice in cold climates.

2 Adjustable Tilt Radiometer Mounting Kit is needed to Mount a radiometer at a desired solar zenith angle between 0° and 90° to measure tilted global or diffuse radiation.

Required Specification:

This equipment will be installed on the site of the Laboratory and occasionally, it will be transferred to the building where energy audit & monitoring operation is underway.

Also, downward-facing radiometer should not see any radiation coming from the hemisphere above or from the first 5° below the horizon. An accessory glare screen kit must be included with a pyranometer.

- Spectral range (50% points): 285 to 2800 nm
- Sensitivity: 7 to 14 $\mu\text{V}/\text{W}/\text{m}^2$
- Response time: < 5 s
- Zero offset A: $< 7 \text{ W}/\text{m}^2$
- Zero offset B: $< 2 \text{ W}/\text{m}^2$
- Directional response (up to 80° with $1000 \text{ W}/\text{m}^2$ beam): $< 10 \text{ W}/\text{m}^2$
- Temperature dependence of sensitivity (-10°C to $+40^\circ\text{C}$): $< 1\%$
- Operational temperature range: -40°C to $+80^\circ\text{C}$
- Maximum solar irradiance: $4000 \text{ W}/\text{m}^2$
- Field of view: 180°
- Minimum 1 years Guarantee and 5 years warranty.

b) Shadow Ring

Quantity: 2

Shadow Ring can be used with a pyranometer to shield the instrument from direct radiation. The combination of a global measurement instrument and Shadow Ring offers a simple solution to the problem of measuring diffuse radiation from the sky. The shadow from the ring covers the pyranometer dome completely. The ring will not need adjustment for several days. Naturally, the ring will also intercept a small part of the diffuse radiation from the sky. Correction is necessary to compensate for this and a table must be provided

c) Mounting Fixture

Quantity: 2

the mounting fixture is a small round plate with an integral rod for mounting one upwards and/or one downwards facing instrument without a ventilation unit.

Required Specification:

- Mounting fixture with a non-removable mounting and mounting bracket can be used to attach the tools to poles, masts or walls.

d) Ventilation Unit

Quantity: 2

ntilation of radiometers improves the reliability and accuracy of the measurement by reducing dust, raindrops, and dew on the dome. With thermopile-based instruments, ventilation stabilizes the temperature of the radiometer and suppresses thermal offsets. The integrated heater can be externally switched on to disperse precipitation faster and to melt frost, or even snow and ice, on the dome in cold climates. The ventilation unit must be low power and low maintenance.

At the top of the pyrometer dome, the flow is very high and it swirls to improve the air distribution over the dome. The position of the heaters and the cover material ensures that only half the heating power is needed compared to older ventilation units.

Required Specification:

- Power supply: 12 VDC, 0.9 A (with the heater on)
- Operational temperature range: -40 to +70 °C
- Ventilation power: 5 W continuously
- Heating power: 5.5 W externally switched
- Heater induced offset: < 1 W/m²

e) Adjustable Tilt Radiometer Mounting Kit

Quantity: 2

In solar energy applications, it is often desirable to measure the 'tilted' global solar radiation at the angle of non-tracking (fixed) photovoltaic panels, in addition to the usual horizontal global radiation measurement. This can be achieved by mounting a radiometer at the same angle as the fixed PV panel so that it sees the same incoming solar radiation.

The Adjustable Tilt Radiometer Mounting Kit must be able to install on a horizontal surface and allows a pyranometer to be mounted at zenith angles from 0° to 90°. The mounting has a clear scale graduated in degrees and a secure locking device for easy adjustment.



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The kit can also be fitted on mounting fixture for simple attachment to walls and poles using the mounting bracket.

f) Data Logger for pyranometer

Quantity: 2

The hand-held data logger will be used in combination with a passive (non-powered) radiometer to display and record measurements of solar irradiance. Its small size, long battery life and accurate single voltage input make it an ideal tool for many test and field applications.

- Hand-held real-time irradiance display
- Integrated data logging
- One or two analog millivolt input
- Long operation on internal batteries
- User-friendly Windows™ software
- Minimum 2 years Guarantee and 4 years warranty.

Required Specification:

- Configuration with a computer must be simple,
- Compatible to use the supplied Windows™ software and USB interface cable-supported data
- Ability to display real-time solar irradiance values in W/m^2 , or Photosynthetically Active Radiation (PAR) in $\mu\text{-mol}/m^2.s$.
- The input can be bi-polar, so the large 4-digit display can show both positive and negative values and data logger can be configured for other types of sensors with an analogue output.
- The data logging function can be configured to store values at a selectable interval.
- The memory is non-volatile and data is not lost when the unit is switched off or the batteries are changed.



Annex 1-F

Technical Specifications – Lot 6

Infrared Camera

- **Quantity:** 1
- **Description: Detecting thermal bridges & resulting abnormalities with IR imaging camera**
Handheld Infrared (IR) Thermometers are widely used throughout many industries and work environments to determine surface temperature. Elevated temperatures are often the first sign of trouble for mechanical equipment, electrical circuits and building systems. A quick temperature check of key components and equipment can detect potential trouble areas and prevent catastrophic failures. A thermal imaging camera is a unique tool to map the energy loss from a building. With this quick method and the resulting thermal images, precise and convincing argumentation can be performed in order to localize problematic points of the building envelope and mechanical/electrical equipment. Thermal imaging pinpoints exactly where the excessive energy losses are localized, without the use of any destructive testing methods.

An infrared camera of High Definition series must be able to record and take a picture from a larger distance providing a view of the complete building and show small details in a suitable resolution.

- **Required Specification:**
 - Spectral range: from 7.5 to 14 μm
 - Detector: Uncooled Microbolometer Focal Plane Array
 - Detector format (IR pixels):
 - o with built-in optomechanical high-precision scan unit (2,048 \times 1,536)
 - Temperature measuring range: (-40 ... 200) $^{\circ}\text{C}$
 - Measurement accuracy: ± 1 $^{\circ}\text{C}$ or ± 1 %
 - Temperature resolution @ 30 $^{\circ}\text{C}$: Up to 0.02 K
 - Storage media: SDHC Card, external control computer for camera control and data acquisition Image storage Time-, trigger- and temperature-controlled recording of 16 bit single frames or image sequences with the timestamp, video streaming in MPEG format
 - Focus: Motor-driven, automatic or manual, accurately adjustable, laser-supported autofocus
 - Zoom: From 5 \times till 32 \times digital, steeples
 - Digital color video camera: LED video light, vision mixer and cross-fade feature
 - Dynamic Range 10 to 16 bit
 - Interfaces: DVI-D (HDMI), C-Video, RS232, USB 2.0, WLAN, Bluetooth; 2 \times digital I/O, 2 \times analogues I/O Tripod adapter 1/4" photo thread
 - Power supply: Standard Lithium-Ion battery, energy save mode, AC adapter.
 - Integrated microphone and speaker: Voice annotation feature, replay and audio dubbing Laser range finder Semiconductor laser red, laser protection class 2, range up to 70 m
 - Integrated GPS sensor: Image integrated storage of position data
 - Display: color display with minimum (1,280 \times 800) pixel, rotatable and resolvable, daylight suited, incl. flip mirror
 - Color viewfinder: Tilttable color viewfinder with diopter compensation
 - Single-handed operation: Intuitive operation with ergonomically arranged function keys and multifunctional joystick, programmable keys
 - Protection degree: Storage and operation temperature IP54, IEC 60529; (-40 ... 70) $^{\circ}\text{C}$, (-25 ... 55) $^{\circ}\text{C}$
 - Automatic functions: Autofocus, permanent autofocus, automatic distance indicator, distance-dependent display of pixel size to avoid geometrically related measurement errors, auto image, auto level, min./max. temperature alarm: visual/ acoustic, alarm triggered image storage
 - Minimum 2 years Guarantee and 4 years Warranty.

Annex 2 – A (Lot 1)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION¹ (This Form must be submitted only using the Supplier's Official Letterhead/Stationery²)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 1

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Blower Door System		1		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery for Lot 1					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

¹This serves as a guide to the Supplier in preparing the quotation and price schedule.

² Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

Annex 2 – B (Lot 2)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION³ (This Form must be submitted only using the Supplier's Official Letterhead/Stationery⁴)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 2

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Handheld Reader and Data Logger		3		
2	Heat Flow Logger		4		
3	Wireless Logging Station		1		
4	Wireless Universal Unit		3		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

³This serves as a guide to the Supplier in preparing the quotation and price schedule.

⁴ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

Annex 2 – C (Lot 3)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION⁵

(This Form must be submitted only using the Supplier's Official Letterhead/Stationery⁶)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 3

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Heat Flow Sensor		8		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

⁵This serves as a guide to the Supplier in preparing the quotation and price schedule.

⁶ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

Annex 2 – D (Lot 4)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION⁷ *(This Form must be submitted only using the Supplier's Official Letterhead/Stationery⁸)*

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 4

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Thermal Emissometer		1		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

⁷This serves as a guide to the Supplier in preparing the quotation and price schedule.

⁸ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

Annex 2 – E (Lot 5)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION⁹ (This Form must be submitted only using the Supplier's Official Letterhead/Stationery¹⁰)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 5

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Pyranometer With Glare Screen Kit including:		2		
2	Shadow Ring		2		
3	Mounting Fixture		2		
4	Ventilation Unit		2		
5	Adjustable Tilt Radiometer Mounting Kit		2		
6	Data Logger for pyranometer		2		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

⁹This serves as a guide to the Supplier in preparing the quotation and price schedule.

¹⁰ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

Annex 2 – F (Lot 6)

FORM FOR SUBMITTING SUPPLIER'S QUOTATION¹¹ *(This Form must be submitted only using the Supplier's Official Letterhead/Stationery¹²)*

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ dated July 31, 2019:

Table 1: Lot 6

Item	Description	Unit Price (EUR)*	Quantity Required	Guarantee Name & Duration	Total Price per item (EUR)
1	Infrared Camera		1		
Total Prices of Goods					
Add : Cost of Transportation to place of delivery					
Add : Cost of Insurance					
Add : Cost of packaging					
Add : Value Added Tax (if applied)					
Add : Other Charges (pls. specify)					
Total Final and All-Inclusive Price Quotation					

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]

¹¹ This serves as a guide to the Supplier in preparing the quotation and price schedule.

¹² Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes.

TABLE 2: Offer to Comply with Other Conditions and Related Requirements
(please fill table 2 for Lot 1, Lot 2, Lot3, Lot4, Lot 5 and Lot 6)

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 (within 45 days after placing the order)			
Submit printed brochures and catalogues			
Guarantee and Warranty			
Validity of Quotation			
All Provisions of the UNDP General Terms and Conditions			
Other requirements <i>[pls .specify]</i>			

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]



Annex 3

GENERAL TERMS AND CONDITIONS FOR CONTRACTS

This Contract is between the United Nations Development Programme, a subsidiary organ of the United Nations established by the General Assembly of the United Nations (hereinafter “UNDP”), on the one hand, and a company or organization indicated in the Face Sheet of this Contract (hereinafter the “Contractor”), on the other hand.

1. LEGAL STATUS OF THE PARTIES: UNDP and the Contractor shall be referred to as a “Party” or, collectively, “Parties” hereunder, and:

1.1 Pursuant, *inter alia*, to the Charter of the United Nations and the Convention on the Privileges and Immunities of the United Nations, the United Nations, including its subsidiary organs, has full juridical personality and enjoys such privileges and immunities as are necessary for the independent fulfillment of its purposes.

1.2 The Contractor shall have the legal status of an independent contractor *vis-à-vis* UNDP, and nothing contained in or relating to the Contract shall be construed as establishing or creating between the Parties the relationship of employer and employee or of principal and agent. The officials, representatives, employees, or subcontractors of each of the Parties shall not be considered in any respect as being the employees or agents of the other Party, and each Party shall be solely responsible for all claims arising out of or relating to its engagement of such persons or entities.

2. OBLIGATIONS OF THE CONTRACTOR:

2.1 The Contractor shall deliver the goods described in the Technical Specifications for Goods (hereinafter the “Goods”) and/or perform and complete the services described in the Terms of Reference and Schedule of Payments (hereinafter the “Services”), with due diligence and efficiency, and in accordance with this Contract. The Contractor shall also provide all technical and administrative support needed in order to ensure the timely and satisfactory delivery of the Goods and/or performance of the Services.

2.2 To the extent that the Contract involves any purchase of the Goods, the Contractor shall provide UNDP with written evidence of the delivery of the Goods. Such evidence of delivery shall, at the minimum, consist of an invoice, a certification of conformity, and other supporting shipment documentation as may otherwise be specified in the Technical Specifications for Goods.

2.3 The Contractor represents and warrants the accuracy of any information or data provided to UNDP for the purpose of entering into this Contract, as well as the quality of the deliverables and reports foreseen under this Contract, in accordance with the highest industry and professional standards.

2.4 All time limits contained in this Contract shall be deemed to be of the essence in respect of the performance of the delivery of the Goods and/or the provision of the Services.

3. LONG TERM AGREEMENT: If the Contractor is engaged by UNDP on the basis of a long-term agreement ("LTA") as indicated in the Face Sheet of this Contract, the following conditions shall apply:

3.1 UNDP does not warrant that any quantity of Goods and/or Services shall be ordered during the term of the LTA.

3.2 Any UNDP business unit, including, but not limited to, a Headquarters unit, a Country Office or a Regional Centre, as well as any United Nations entity, may benefit from the retainer and order Goods and/or Services from the Contractor hereunder.

3.3 The Contractor shall provide the Services and/or deliver the Goods, as and when requested by UNDP and reflected in a Purchase Order, which shall be subject to the terms and conditions stipulated in this Contract. For the avoidance of doubt, UNDP shall acquire no legal obligations towards the Contractor unless and until a Purchase Order is issued.

3.4 The Goods and/or Services shall be at the Discount Prices annexed hereto. The prices shall remain in effect for a period of three years from the Starting Date stated in the Face Sheet of this Contract.

3.5 In the event of any advantageous technical changes and/or downward pricing of the Goods and/or Services during the term of the retainer, the Contractor shall notify UNDP immediately. UNDP shall consider the impact of any such event and may request an amendment to the retainer.

3.6 The Contractor shall report semi-annually to UNDP on the Goods delivered and/or Services provided, unless otherwise specified in the Contract. Each report should be submitted to the UNDP Contact Person indicated in as indicated in the Face Sheet hereto, as well as to a UNDP business unit that has placed a Purchase Order for the Goods and/or Services during the reporting period.

3.7 The LTA shall remain in force for the maximum period of two years and may be extended by UNDP for one additional year by mutual agreement of the Parties.

4. PRICE AND PAYMENT:

4.1 FIXED PRICE: If Fixed Price is chosen as a payment method pursuant to the Face Sheet of this Contract, in full consideration for the complete and satisfactory delivery of the Goods and/or provision of the Services, UNDP shall pay the Contractor a fixed amount indicated in the Face Sheet of this Contract.

4.1.1 The amount stated in the Face Sheet of this Contract is not subject to any adjustment or revision because of price or currency fluctuations, or the actual costs incurred by the Contractor in the performance of the Contract.

4.1.2 UNDP shall effect payments to the Contractor in the amounts and pursuant to the schedule of payments set forth in the Terms of Reference and Schedule of Payments, upon completion by the Contractor of the corresponding deliverable(s) and upon acceptance by UNDP of the original invoices submitted by the Contractor to the UNDP Contact Person indicated in the Face Sheet of this Contract, together with whatever supporting documentation that may be required by UNDP:

4.1.3 Invoices shall indicate a deliverable completed and the corresponding amount payable.

4.1.4 Payments effected by UNDP to the Contractor shall be deemed neither to relieve the Contractor of its obligations under this Contract nor as acceptance by UNDP of the Contractor's delivery of the Goods and/or provision of the Services.

4.2 COST REIMBURSEMENT: If Cost Reimbursement is chosen as a payment method pursuant to the Face Sheet of this Contract, in full consideration for the complete and satisfactory delivery of the Goods and/or provision of the Services under this Contract, UNDP shall pay the Contractor an amount not exceeding the total amount stated in the Face Sheet of this Contract.

4.2.1 The said amount is the maximum total amount of reimbursable costs under this Contract. The breakdown of costs contained in the Financial Proposal, referred to in the Face Sheet to this Contract shall specify the maximum amount per each cost category that is reimbursable under this Contract. The Contractor shall specify in its invoices or financial reports (as required by UNDP) the amount of the actual reimbursable costs incurred in the delivery of the Goods and/or the provision of the Services.

4.2.2 The Contractor shall not provide the Services and/or deliver the Goods or equipment, materials and supplies that may result in any costs in excess of the amount stated in the Face Sheet of this Contract, or of the maximum amount per each cost category specified in the breakdown of costs contained in the Financial Proposal, without the prior written agreement of the UNDP Contact Person.

4.2.3 The Contractor shall submit original invoices or financial reports (as required by UNDP) for the Goods delivered in accordance with the Technical Specifications for Goods and/or the Services provided in accordance with the schedule set forth in the Terms of Reference and Schedule of Payments. Such invoices or financial reports shall indicate a deliverable or deliverables completed and the corresponding amount payable. They shall be submitted to the UNDP Contact Person, together with whatever supporting documentation of the actual costs incurred that is required in the Financial Proposal, or may be required by UNDP.

4.2.4 UNDP shall effect payments to the Contractor upon completion by the Contractor of the deliverable(s) indicated in the original invoices or financial reports (as required by UNDP) and upon acceptance of these invoices or financial reports by UNDP. Such payments shall be subject to any specific conditions for reimbursement specified in the breakdown of costs contained in the Financial Proposal.

4.2.5 Payments effected by UNDP to the Contractor shall be deemed neither to relieve the Contractor of its obligations under this Contract nor as acceptance by UNDP of the Contractor's delivery of the Goods and/or performance of the Services.

5. ADVANCE PAYMENT:

5.1 If an advance payment is due to the Contractor pursuant to the Face Sheet of this Contract, the Contractor shall submit an original invoice for the amount of that advance payment upon signature of this Contract by the Parties.

5.2 If an advance payment representing 20% or more of the total contract value, or amounting to US\$30,000 or more, is to be made by UNDP upon signature of the Contract by the Parties, such payment shall be contingent upon receipt and acceptance by UNDP of a bank guarantee or a certified cheque for the full amount of the advance payment, valid for the duration of the Contract, and in a form acceptable to UNDP.

6. SUBMISSION OF INVOICES AND REPORTS:

6.1 All original invoices, financial reports and any other reports and supporting documentation required under this Contract shall be submitted by mail by the Contractor to UNDP Contact Person. Upon

request of the Contractor, and subject to approval by UNDP, invoices and financial reports may be submitted to UNDP by fax or email.

6.2 All reports and invoices shall be submitted by the Contractor to the UNDP Contact Person specified in the Face Sheet of this Contract.

7. TIME AND MANNER OF PAYMENT:

7.1 Invoices shall be paid within thirty (30) days of the date of their acceptance by UNDP. UNDP shall make every effort to accept an original invoice or advise the Contractor of its non-acceptance within a reasonable time from receipt.

7.2 Where the Services are to be provided, in addition to an invoice, the Contractor shall submit to UNDP a report, describing in detail the Services provided under the Contract during the period of time covered in each report.

8. RESPONSIBILITY FOR EMPLOYEES: To the extent that the Contract involves the provision of the Services to UNDP by the Contractor's officials, employees, agents, servants, subcontractors and other representatives (collectively, the Contractor's "personnel"), the following provisions shall apply:

8.1 The Contractor is responsible for and shall assume all risk and liabilities relating to its personnel and property.

8.2 The Contractor shall be responsible for the professional and technical competence of the personnel it assigns to perform work under the Contract and will select reliable and competent individuals who will be able to effectively perform the obligations under the Contract and who, while doing so, will respect the local laws and customs and conform to a high standard of moral and ethical conduct.

8.3 Such Contractor personnel shall be professionally qualified and, if required to work with officials or staff of UNDP, shall be able to do so effectively. The qualifications of any personnel whom the Contractor may assign or may propose to assign to perform any obligations under the Contract shall be substantially the same, or better, as the qualifications of any personnel originally proposed by the Contractor.

8.4 At the option of and in the sole discretion of UNDP:

8.4.1 the qualifications of personnel proposed by the Contractor (*e.g.*, a curriculum vitae) may be reviewed by UNDP prior to such personnel's performing any obligations under the Contract;

8.4.2 any personnel proposed by the Contractor to perform obligations under the Contract may be interviewed by qualified staff or officials of UNDP prior to such personnel's performing any obligations under the Contract; and,

8.4.3 in cases in which, pursuant to Article 8.4.1 or 8.4.2, above, UNDP has reviewed the qualifications of such Contractor's personnel, UNDP may reasonably refuse to accept any such personnel.

8.5 Requirements specified in the Contract regarding the number or qualifications of the Contractor's personnel may change during the course of performance of the Contract. Any such change shall be made only following written notice of such proposed change and upon written agreement between the Parties regarding such change, subject to the following:

8.5.1 UNDP may, at any time, request, in writing, the withdrawal or replacement of any of the Contractor's personnel, and such request shall not be unreasonably refused by the Contractor.

8.5.2 Any of the Contractor's personnel assigned to perform obligations under the Contract shall not be withdrawn or replaced without the prior written consent of UNDP, which shall not be unreasonably withheld.

8.5.3 The withdrawal or replacement of the Contractor's personnel shall be carried out as quickly as possible and in a manner that will not adversely affect the performance of obligations under the Contract.

8.5.4 All expenses related to the withdrawal or replacement of the Contractor's personnel shall, in all cases, be borne exclusively by the Contractor.

8.5.5 Any request by UNDP for the withdrawal or replacement of the Contractor's personnel shall not be considered to be a termination, in whole or in part, of the Contract, and UNDP shall not bear any liability in respect of such withdrawn or replaced personnel.

8.5.6 If a request for the withdrawal or replacement of the Contractor's personnel is *not* based upon a default by or failure on the part of the Contractor to perform its obligations in accordance with the Contract, the misconduct of the personnel, or the inability of such personnel to reasonably work together with UNDP officials and staff, then the Contractor shall not be liable by reason of any such request for the withdrawal or replacement of the Contractor's personnel for any delay in the performance by the Contractor of its obligations under the Contract that is substantially the result of such personnel's being withdrawn or replaced.

8.6 Nothing in Articles 8.3, 8.4 and 8.5, above, shall be construed to create any obligations on the part of UNDP with respect to the Contractor's personnel assigned to perform work under the Contract, and such personnel shall remain the sole responsibility of the Contractor.

8.7 The Contractor shall be responsible for requiring that all personnel assigned by it to perform any obligations under the Contract and who may have access to any premises or other property of UNDP shall:

8.7.1 undergo or comply with security screening requirements made known to the Contractor by UNDP, including but not limited to, a review of any criminal history;

8.7.2 when within UNDP premises or on UNDP property, display such identification as may be approved and furnished by UNDP security officials, and that upon the withdrawal or replacement of any such personnel or upon termination or completion of the Contract, such personnel shall immediately return any such identification to UNDP for cancellation.

8.8 Within one working day after learning that any of Contractor's personnel who have access to any UNDP premises have been charged by law enforcement authorities with an offense other than a minor traffic offense, the Contractor shall provide written notice to inform UNDP about the particulars of the charges then known and shall continue to inform UNDP concerning all substantial developments regarding the disposition of such charges.

8.9 All operations of the Contractor, including without limitation, storage of equipment, materials, supplies and parts, within UNDP premises or on UNDP property shall be confined to areas authorized or approved by UNDP. The Contractor's personnel shall not enter or pass through and shall not store or dispose of any of its equipment or materials in any areas within UNDP premises or on UNDP property without appropriate authorization from UNDP.

8.10 The Contractor shall (i) put in place an appropriate security plan and maintain the security plan, taking into account the security situation in the country where the Services are being provided; and (ii) assume all risks and liabilities related to the Contractor's security, and the full implementation of the security plan.

8.11 UNDP reserves the right to verify whether such a plan is in place, and to suggest modifications to the plan when necessary. Failure to maintain and implement an appropriate security plan as required hereunder shall be deemed a breach of this contract. Notwithstanding the foregoing, the Contractor shall remain solely responsible for the security of its personnel and for UNDP's property in its custody as set forth in paragraph 8.10 above.

9. ASSIGNMENT:

9.1 Except as provided in Article 9.2, below, the Contractor may not assign, transfer, pledge or make any other disposition of the Contract, of any part of the Contract, or of any of the rights, claims or obligations under the Contract except with the prior written authorization of UNDP. Any such unauthorized assignment, transfer, pledge or other disposition, or any attempt to do so, shall not be binding on UNDP. Except as permitted with respect to any approved subcontractors, the Contractor shall not delegate any of its obligations under this Contract, except with the prior written consent of UNDP. Any such unauthorized delegation, or attempt to do so, shall not be binding on UNDP.

9.2 The Contractor may assign or otherwise transfer the Contract to the surviving entity resulting from a reorganization of the Contractor's operations, *provided that*:

9.2.1 such reorganization is not the result of any bankruptcy, receivership or other similar proceedings; *and*,

9.2.2 such reorganization arises from a sale, merger, or acquisition of all or substantially all of the Contractor's assets or ownership interests; *and*,

9.2.3 the Contractor promptly notifies UNDP about such assignment or transfer at the earliest opportunity; *and*,

9.2.4 the assignee or transferee agrees in writing to be bound by all of the terms and conditions of the Contract, and such writing is promptly provided to UNDP following the assignment or transfer.

10. SUBCONTRACTING: In the event that the Contractor requires the services of subcontractors to perform any obligations under the Contract, the Contractor shall obtain the prior written approval of UNDP. UNDP shall be entitled, in its sole discretion, to review the qualifications of any subcontractors and to reject any proposed subcontractor that UNDP reasonably considers is not qualified to perform obligations under the Contract. UNDP shall have the right to require any subcontractor's removal from UNDP premises without having to give any justification therefor. Any such rejection or request for removal shall not, in and of itself, entitle the Contractor to claim any delays in the performance, or to assert any excuses for the non-performance, of any of its obligations under the Contract, and the Contractor shall be solely responsible for all services and obligations performed by its subcontractors. The terms of any subcontract shall be subject to, and shall be construed in a manner that is fully in accordance with, all of the terms and conditions of the Contract.

11. PURCHASE OF GOODS: To the extent that the Contract involves any purchase of the Goods, whether in whole or in part, and unless specifically stated otherwise in the Contract, the following conditions shall apply to such purchases under the Contract:

11.1 DELIVERY OF GOODS: The Contractor shall hand over or make available the Goods, and UNDP shall receive the Goods, at the place for the delivery of the Goods and within the time for delivery of the Goods specified in the Contract. The Contractor shall provide to UNDP such shipment documentation (including, without limitation, bills of lading, airway bills, and commercial invoices) as are specified in the Contract or, otherwise, as are customarily utilized in the trade. All manuals, instructions, displays and any other information relevant to the Goods shall be in the English language unless otherwise specified in the Contract. Unless otherwise stated in the Contract (including, but not limited to, in any "INCOTERM" or similar trade term), the entire risk of loss,

damage to, or destruction of the Goods shall be borne exclusively by the Contractor until physical delivery of the Goods to UNDP in accordance with the terms of the Contract. Delivery of the Goods shall not be deemed in itself as constituting acceptance of the Goods by UNDP.

11.2 INSPECTION OF THE GOODS: If the Contract provides that the Goods may be inspected prior to delivery, the Contractor shall notify UNDP when the Goods are ready for pre-delivery inspection. Notwithstanding any pre-delivery inspection, UNDP or its designated inspection agents may also inspect the Goods upon delivery in order to confirm that the Goods conform to applicable specifications or other requirements of the Contract. All reasonable facilities and assistance, including, but not limited to, access to drawings and production data, shall be furnished to UNDP or its designated inspection agents at no charge therefor. Neither the carrying out of any inspections of the Goods nor any failure to undertake any such inspections shall relieve the Contractor of any of its warranties or the performance of any obligations under the Contract.

11.3 PACKAGING OF THE GOODS: The Contractor shall package the Goods for delivery in accordance with the highest standards of export packaging for the type and quantities and modes of transport of the Goods. The Goods shall be packed and marked in a proper manner in accordance with the instructions stipulated in the Contract or, otherwise, as customarily done in the trade, and in accordance with any requirements imposed by applicable law or by the transporters and manufacturers of the Goods. The packing, in particular, shall mark the Contract or Purchase Order number and any other identification information provided by UNDP as well as such other information as is necessary for the correct handling and safe delivery of the Goods. Unless otherwise specified in the Contract, the Contractor shall have no right to any return of the packing materials.

11.4 TRANSPORTATION & FREIGHT: Unless otherwise specified in the Contract (including, but not limited to, in any "INCOTERM" or similar trade term), the Contractor shall be solely liable for making all transport arrangements and for payment of freight and insurance costs for the shipment and delivery of the Goods in accordance with the requirements of the Contract. The Contractor shall ensure that UNDP receives all necessary transport documents in a timely manner so as to enable UNDP to take delivery of the Goods in accordance with the requirements of the Contract.

11.5 WARRANTIES: Unless otherwise specified in the Contract, in addition to and without limiting any other warranties, remedies or rights of UNDP stated in or arising under the Contract, the Contractor warrants and represents that:

11.5.1 The Goods, including all packaging and packing thereof, conform to the technical specifications, are fit for the purposes for which such Goods are ordinarily used and for any purposes expressly made known in writing in the Contract, and shall be of even quality, free from faults and defects in design, material, manufacturer and workmanship;

11.5.2 If the Contractor is not the original manufacturer of the Goods, the Contractor shall provide UNDP with the benefit of all manufacturers' warranties in addition to any other warranties required to be provided under the Contract;

11.5.3 The Goods are of the quality, quantity and description required by the Contract, including when subjected to conditions prevailing in the place of final destination;

11.5.4 The Goods are free from any right of claim by any third-party, including claims of infringement of any intellectual property rights, including, but not limited to, patents, copyright and trade secrets;

11.5.5 The Goods are new and unused;

11.5.6 All warranties will remain fully valid following any delivery of the Goods and for a period of not less than one (1) year following acceptance of the Goods by UNDP in accordance with the Contract;

11.5.7 During any period in which the Contractor's warranties are effective, upon notice by UNDP that the Goods do not conform to the requirements of the Contract, the Contractor shall promptly and at its own expense correct such non-conformities or, in case of its inability to do so, replace the defective Goods with Goods of the same or better quality or, at its own cost, remove the defective Goods and fully reimburse UNDP for the purchase price paid for the defective Goods; and,

11.5.8 The Contractor shall remain responsive to the needs of UNDP for any services that may be required in connection with any of the Contractor's warranties under the Contract.

11.6 ACCEPTANCE OF GOODS: Under no circumstances shall UNDP be required to accept any Goods that do not conform to the specifications or requirements of the Contract. UNDP may condition its acceptance of the Goods upon the successful completion of acceptance tests as may be specified in the Contract or otherwise agreed in writing by the Parties. In no case shall UNDP be obligated to accept any Goods unless and until UNDP has had a reasonable opportunity to inspect the Goods following delivery. If the Contract specifies that UNDP shall provide a written acceptance of the Goods, the Goods shall not be deemed accepted unless and until UNDP in fact provides such written acceptance. In no case shall payment by UNDP in and of itself constitute acceptance of the Goods.

11.7 REJECTION OF GOODS: Notwithstanding any other rights of, or remedies available to UNDP under the Contract, in case any of the Goods are defective or otherwise do not conform to the specifications or other requirements of the Contract, UNDP, at its sole option, may reject or refuse to accept the Goods, and within thirty (30) days following receipt of notice from UNDP of such rejection or refusal to accept the Goods, the Contractor shall, in sole option of UNDP:

11.7.1 provide a full refund upon return of the Goods, or a partial refund upon a return of a portion of the Goods, by UNDP; *or*,

11.7.2 repair the Goods in a manner that would enable the Goods to conform to the specifications or other requirements of the Contract; *or*,

11.7.3 replace the Goods with Goods of equal or better quality; *and*,

11.7.4 pay all costs relating to the repair or return of the defective Goods as well as the costs relating to the storage of any such defective Goods and for the delivery of any replacement Goods to UNDP.

11.8 In the event that UNDP elects to return any of the Goods for the reasons specified in Article 11.7, above, UNDP may procure the Goods from another source. In addition to any other rights or remedies available to UNDP under the Contract, including, but not limited to, the right to terminate the Contract, the Contractor shall be liable for any additional cost beyond the balance of the Contract price resulting from any such procurement, including, *inter alia*, the costs of engaging in such procurement, and UNDP shall be entitled to compensation from the Contractor for any reasonable expenses incurred for preserving and storing the Goods for the Contractor's account.

11.9 TITLE: The Contractor warrants and represents that the Goods delivered under the Contract are unencumbered by any third party's title or other property rights, including, but not limited to, any liens or security interests. Unless otherwise expressly provided in the Contract, title in and to the Goods shall pass from the Contractor to UNDP upon delivery of the Goods and their acceptance by UNDP in accordance with the requirements of the Contract.

11.10 EXPORT LICENSING: The Contractor shall be responsible for obtaining any export license required with respect to the Goods, products, or technologies, including software, sold, delivered, licensed or otherwise provided to UNDP under the Contract. The Contractor shall procure any such export license in an expeditious manner. Subject to and without any waiver of the privileges and immunities of UNDP, UNDP shall lend the Contractor all reasonable assistance required for obtaining any such export license. Should any Governmental entity refuse, delay or hinder the Contractor's ability to obtain any such export license, the Contractor shall promptly consult with UNDP to enable UNDP to take appropriate measures to resolve the matter.

12. INDEMNIFICATION:

12.1 The Contractor shall indemnify, defend, and hold and save harmless, UNDP, and its officials, agents and employees, from and against all suits, proceedings, claims, demands, losses and liability of any kind or nature brought by any third party against UNDP, including, but not limited to, all litigation costs and expenses, attorney's fees, settlement payments and damages, based on, arising from, or relating to:

12.1.1 allegations or claims that the possession of or use by UNDP of any patented device, any copyrighted material, or any other goods, property or services provided or licensed to UNDP under the terms of the Contract, in whole or in part, separately or in a combination contemplated by the Contractor's published specifications therefor, or otherwise specifically approved by the Contractor, constitutes an infringement of any patent, copyright, trademark, or other intellectual property right of any third party; *or*,

12.1.2 any acts or omissions of the Contractor, or of any subcontractor or anyone directly or indirectly employed by them in the performance of the Contract, which give rise to legal liability to anyone not a party to the Contract, including, without limitation, claims and liability in the nature of a claim for workers' compensation.

12.2 The indemnity set forth in Article 12.1.1, above, shall not apply to:

12.2.1 A claim of infringement resulting from the Contractor's compliance with specific written instructions by UNDP directing a change in the specifications for the goods, property, materials, equipment or supplies to be or used, or directing a manner of performance of the Contract or requiring the use of specifications not normally used by the Contractor; *or*

12.2.2 A claim of infringement resulting from additions to or changes in any goods, property, materials equipment, supplies or any components thereof furnished under the Contract if UNDP or another party acting under the direction of UNDP made such changes.

12.3 In addition to the indemnity obligations set forth in this Article 12, the Contractor shall be obligated, at its sole expense, to defend UNDP and its officials, agents and employees, pursuant to this Article 12, regardless of whether the suits, proceedings, claims and demands in question actually give rise to or otherwise result in any loss or liability.

12.4 UNDP shall advise the Contractor about any such suits, proceedings, claims, demands, losses or liability within a reasonable period of time after having received actual notice thereof. The Contractor shall have sole control of the defense of any such suit, proceeding, claim or demand and of all negotiations in connection with the settlement or compromise thereof, except with respect to the assertion or defense of the privileges and immunities of UNDP or any matter relating thereto, for which only UNDP itself is authorized to assert and maintain. UNDP shall have the right, at its own expense, to be represented in any such suit, proceeding, claim or demand by independent counsel of its own choosing.

12.5 In the event the use by UNDP of any Goods, property or Services provided or licensed to UNDP by the Contractor, in whole or in part, in any suit or proceeding, is for any reason enjoined, temporarily or permanently, or is found to infringe any patent, copyright, trademark or other intellectual property right, or in the event of a settlement, is enjoined, limited or otherwise interfered with, then the Contractor, at its sole cost and expense, shall, promptly, either:

12.5.1 procure for UNDP the unrestricted right to continue using such Goods or Services provided to UNDP;

12.5.2 replace or modify the Goods and/or or Services provided to UNDP, or part thereof, with the equivalent or better Goods and/or Services, or part thereof, that is non-infringing; *or*,

12.5.3 refund to UNDP the full price paid by UNDP for the right to have or use such Goods, property or Services, or part thereof.

13. INSURANCE AND LIABILITY:

13.1 The Contractor shall pay UNDP promptly for all loss, destruction, or damage to the property of UNDP caused by the Contractor's personnel or by any of its subcontractors or anyone else directly or indirectly employed by the Contractor or any of its subcontractors in the performance of the Contract.

13.2 Unless otherwise provided in the Contract, prior to commencement of performance of any other obligations under the Contract, and subject to any limits set forth in the Contract, the Contractor shall take out and shall maintain for the entire term of the Contract, for any extension thereof, and for a period following any termination of the Contract reasonably adequate to deal with losses:

13.2.1 insurance against all risks in respect of its property and any equipment used for the performance of the Contract;

13.2.2 workers' compensation insurance, or its equivalent, or employer's liability insurance, or its equivalent, with respect to the Contractor's personnel sufficient to cover all claims for injury, death and disability, or any other benefits required to be paid by law, in connection with the performance of the Contract;

13.2.3 liability insurance in an adequate amount to cover all claims, including, but not limited to, claims for death and bodily injury, products and completed operations liability, loss of or damage to property, and personal and advertising injury, arising from or in connection with the Contractor's performance under the Contract, including, but not limited to, liability arising out of or in connection with the acts or omissions of the Contractor, its personnel, agents, or invitees, or the use, during the performance of the Contract, of any vehicles, boats, airplanes or other transportation vehicles and equipment, whether or not owned by the Contractor; *and*,

13.2.4 such other insurance as may be agreed upon in writing between UNDP and the Contractor.

13.3 The Contractor's liability policies shall also cover subcontractors and all defense costs and shall contain a standard "cross liability" clause.

13.4 The Contractor acknowledges and agrees that UNDP accepts no responsibility for providing life, health, accident, travel or any other insurance coverage which may be necessary or desirable in respect of any personnel performing services for the Contractor in connection with the Contract.

13.5 Except for the workers' compensation insurance or any self-insurance program maintained by the Contractor and approved by UNDP, in its sole discretion, for purposes of fulfilling the Contractor's requirements for providing insurance under the Contract, the insurance policies required under the Contract shall:

13.5.1 name UNDP as an additional insured under the liability policies, including, if required, as a separate endorsement under the policy;

13.5.2 include a waiver of subrogation of the Contractor's insurance carrier's rights against UNDP;

13.5.3 provide that UNDP shall receive written notice from the Contractor's insurance carrier not less than thirty (30) days prior to any cancellation or material change of coverage; *and*,

13.5.4 include a provision for response on a primary and non-contributing basis with respect to any other insurance that may be available to UNDP.

13.6 The Contractor shall be responsible to fund all amounts within any policy deductible or retention.

13.7 Except for any self-insurance program maintained by the Contractor and approved by UNDP for purposes of fulfilling the Contractor's requirements for maintaining insurance under the Contract, the Contractor shall maintain the insurance taken out under the Contract with reputable insurers that are in good financial standing and that are acceptable to UNDP. Prior to the commencement of any obligations under the Contract, the Contractor shall provide UNDP with evidence, in the form of certificate of insurance or such other form as UNDP may reasonably require, that demonstrates that the Contractor has taken out insurance in accordance with the requirements of the Contract. UNDP reserves the right, upon written notice to the Contractor, to obtain copies of any insurance policies or insurance program descriptions required to be maintained by the Contractor under the Contract. Notwithstanding the provisions of Article 13.5.3, above, the Contractor shall promptly notify UNDP concerning any cancellation or material change of insurance coverage required under the Contract.

13.8 The Contractor acknowledges and agrees that neither the requirement for taking out and maintaining insurance as set forth in the Contract nor the amount of any such insurance, including, but not limited to, any deductible or retention relating thereto, shall in any way be construed as limiting the Contractor's liability arising under or relating to the Contract.

14. ENCUMBRANCES AND LIENS: The Contractor shall not cause or permit any lien, attachment or other encumbrance by any person to be placed on file or to remain on file in any public office or on file with UNDP against any monies due to the Contractor or that may become due for any work done or against any goods supplied or materials furnished under the Contract, or by reason of any other claim or demand against the Contractor or UNDP.

15. EQUIPMENT FURNISHED BY UNDP TO THE CONTRACTOR: Title to any equipment and supplies that may be furnished by UNDP to the Contractor for the performance of any obligations under the Contract shall rest with UNDP, and any such equipment shall be returned to UNDP at the conclusion of the Contract or when no longer needed by the Contractor. Such equipment, when returned to UNDP, shall be in the same condition as when delivered to the Contractor, subject to normal wear and tear, and the Contractor shall be liable to compensate UNDP for the actual costs of any loss of, damage to, or degradation of the equipment that is beyond normal wear and tear.

16. COPYRIGHT, PATENTS AND OTHER PROPRIETARY RIGHTS:

16.1 Except as is otherwise expressly provided in writing in the Contract, UNDP shall be entitled to all intellectual property and other proprietary rights including, but not limited to, patents, copyrights, and trademarks, with regard to products, processes, inventions, ideas, know-how, or documents and other materials which the Contractor has developed for UNDP under the Contract and which bear a direct relation to or are produced or prepared or collected in consequence of, or during the course of, the performance of the Contract. The Contractor acknowledges and agrees that such products, documents and other materials constitute works made for hire for UNDP.

16.2 To the extent that any such intellectual property or other proprietary rights consist of any intellectual property or other proprietary rights of the Contractor: (i) that pre-existed the performance by the Contractor of its obligations under the Contract, or (ii) that the Contractor may develop or acquire, or may have developed or acquired, independently of the performance of its obligations under the Contract, UNDP does not and shall not claim any ownership interest thereto, and the Contractor grants to UNDP a perpetual license to use such intellectual property or other proprietary right solely for the purposes of and in accordance with the requirements of the Contract.

16.3 At the request of UNDP, the Contractor shall take all necessary steps, execute all necessary documents and generally assist in securing such proprietary rights and transferring or licensing them to UNDP in compliance with the requirements of the applicable law and of the Contract.

16.4 Subject to the foregoing provisions, all maps, drawings, photographs, mosaics, plans, reports, estimates, recommendations, documents, and all other data compiled by or received by the Contractor under the Contract shall be the property of UNDP, shall be made available for use or inspection by UNDP at reasonable times and in reasonable places, shall be treated as confidential, and shall be delivered only to UNDP authorized officials on completion of work under the Contract.

17. PUBLICITY, AND USE OF THE NAME, EMBLEM OR OFFICIAL SEAL OF UNDP OR THE UNITED NATIONS: The Contractor shall not advertise or otherwise make public for purposes of commercial advantage or goodwill that it has a contractual relationship with UNDP, nor shall the Contractor, in any manner whatsoever use the name, emblem or official seal of UNDP or the United Nations, or any abbreviation of the name of UNDP or the United Nations in connection with its business or otherwise without the written permission of UNDP.

18. CONFIDENTIAL NATURE OF DOCUMENTS AND INFORMATION: Information and data that is considered proprietary by either Party or that is delivered or disclosed by one Party ("Discloser") to the other Party ("Recipient") during the course of performance of the Contract, and that is designated as confidential ("Information"), shall be held in confidence by that Party and shall be handled as follows:

18.1 The Recipient shall:

18.1.1 use the same care and discretion to avoid disclosure, publication or dissemination of the Discloser's Information as it uses with its own similar Information that it does not wish to disclose, publish or disseminate; *and*,

18.1.2 use the Discloser's Information solely for the purpose for which it was disclosed.

18.2 Provided that the Recipient has a written agreement with the following persons or entities requiring them to treat the Information confidential in accordance with the Contract and this Article 18, the Recipient may disclose Information to:

18.2.1 any other party with the Discloser's prior written consent; *and*,

18.2.2 the Recipient's employees, officials, representatives and agents who have a need to know such Information for purposes of performing obligations under the Contract, and employees officials, representatives and agents of any legal entity that it controls, controls it, or with which it is under common control, who have a need to know such Information for purposes of performing obligations under the Contract, *provided that*, for these purposes a controlled legal entity means:

18221 a corporate entity in which the Party owns or otherwise controls, whether directly or indirectly, over fifty percent (50%) of voting shares thereof; *or*,

18222 any entity over which the Party exercises effective managerial control; *or*,

18223 for the United Nations, a principal or subsidiary organ of the United Nations established in accordance with the Charter of the United Nations.

18.3 The Contractor may disclose Information to the extent required by law, *provided that*, subject to and without any waiver of the privileges and immunities of the United Nations, the Contractor will give UNDP sufficient prior notice of a request for the disclosure of Information in order to allow UNDP to have a reasonable opportunity to take protective measures or such other action as may be appropriate before any such disclosure is made.

18.4 UNDP may disclose Information to the extent as required pursuant to the Charter of the United Nations, or pursuant to resolutions or regulations of the General Assembly or rules promulgated thereunder.

18.5 The Recipient shall not be precluded from disclosing Information that is obtained by the Recipient from a third party without restriction, is disclosed by the Discloser to a third party without any obligation of confidentiality, is previously known by the Recipient, or at any time is developed by the Recipient completely independently of any disclosures hereunder.

18.6 These obligations and restrictions of confidentiality shall be effective during the term of the Contract, including any extension thereof, and, unless otherwise provided in the Contract, shall remain effective following any termination of the Contract.

19. FORCE MAJEURE; OTHER CHANGES IN CONDITIONS:

19.1 In the event of and as soon as possible after the occurrence of any cause constituting *force majeure*, the affected Party shall give notice and full particulars in writing to the other Party, of such occurrence or cause if the affected Party is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under the Contract. The affected Party shall also notify the other Party of any other changes in condition or the occurrence of any event which interferes or threatens to interfere with its performance of the Contract. Not more than fifteen (15) days following the provision of such notice of *force majeure* or other changes in condition or occurrence, the affected Party shall also submit a statement to the other Party of estimated expenditures that will likely be incurred for the duration of the change in condition or the event of *force majeure*. On receipt of the notice or notices required hereunder, the Party not affected by the occurrence of a cause constituting *force majeure* shall take such action as it reasonably considers to be appropriate or necessary in the circumstances, including the granting to the affected Party of a reasonable extension of time in which to perform any obligations under the Contract.

19.2 If the Contractor is rendered unable, wholly or in part, by reason of *force majeure* to perform its obligations and meet its responsibilities under the Contract, UNDP shall have the right to suspend or terminate the Contract on the same terms and conditions as are provided for in Article 20, "Termination," except that the period of notice shall be seven (7) days instead of thirty (30) days. In any case, UNDP shall be entitled to consider the Contractor permanently unable to perform its obligations under the Contract in case the Contractor is unable to perform its obligations, wholly or in part, by reason of *force majeure* for any period in excess of ninety (90) days.

19.3 *Force majeure* as used herein means any unforeseeable and irresistible act of nature, any act of war (whether declared or not), invasion, revolution, insurrection, terrorism, or any other acts of a similar nature or force, *provided that* such acts arise from causes beyond the control and without the fault or negligence of the Contractor. The Contractor acknowledges and agrees that, with respect to any obligations under the Contract that the Contractor must perform in areas in which UNDP is engaged in, preparing to engage in, or disengaging from any peacekeeping, humanitarian or similar operations, any delays or failure to perform such obligations arising from or relating to harsh

conditions within such areas, or to any incidents of civil unrest occurring in such areas, shall not, in and of itself, constitute *force majeure* under the Contract.

20. TERMINATION:

20.1 Either Party may terminate the Contract for cause, in whole or in part, upon thirty (30) day's notice, in writing, to the other Party. The initiation of conciliation or arbitral proceedings in accordance with Article 23 "Settlement of Disputes," below, shall not be deemed to be a "cause" for or otherwise to be in itself a termination of the Contract.

20.2 UNDP may terminate the Contract at any time by providing written notice to the Contractor in any case in which the mandate of UNDP applicable to the performance of the Contract or the funding of UNDP applicable to the Contract is curtailed or terminated, whether in whole or in part. In addition, unless otherwise provided by the Contract, upon sixty (60) day's advance written notice to the Contractor, UNDP may terminate the Contract without having to provide any justification therefor.

20.3 In the event of any termination of the Contract, upon receipt of notice of termination that has been issued by UNDP, the Contractor shall, except as may be directed by UNDP in the notice of termination or otherwise in writing:

20.3.1 take immediate steps to bring the performance of any obligations under the Contract to a close in a prompt and orderly manner, and in doing so, reduce expenses to a minimum;

20.3.2 refrain from undertaking any further or additional commitments under the Contract as of and following the date of receipt of such notice;

20.3.3 place no further subcontracts or orders for materials, services, or facilities, except as UNDP and the Contractor agree in writing are necessary to complete any portion of the Contract that is not terminated;

20.3.4 terminate all subcontracts or orders to the extent they relate to the portion of the Contract terminated;

20.3.5 transfer title and deliver to UNDP the fabricated or unfabricated parts, work in process, completed work, supplies, and other material produced or acquired for the portion of the Contract terminated;

20.3.6 deliver all completed or partially completed plans, drawings, information, and other property that, if the Contract had been completed, would be required to be furnished to UNDP thereunder;

20.3.7 complete performance of the work not terminated; *and*,

20.3.8 take any other action that may be necessary, or that UNDP may direct in writing, for the minimization of losses and for the protection and preservation of any property, whether tangible or intangible, related to the Contract that is in the possession of the Contractor and in which UNDP has or may be reasonably expected to acquire an interest.

20.4 In the event of any termination of the Contract, UNDP shall be entitled to obtain reasonable written accountings from the Contractor concerning all obligations performed or pending in accordance with the Contract. In addition, UNDP shall not be liable to pay the Contractor except for those Goods satisfactorily delivered and/or Services satisfactorily provided to UNDP in accordance with the requirements of the Contract, but only if such Goods or Services were ordered, requested or otherwise provided prior to the Contractor's receipt of notice of termination from UNDP or prior to the Contractor's tendering of notice of termination to UNDP.

20.5 UNDP may, without prejudice to any other right or remedy available to it, terminate the Contract forthwith in the event that:

20.5.1 the Contractor is adjudged bankrupt, or is liquidated, or becomes insolvent, or applies for a moratorium or stay on any payment or repayment obligations, or applies to be declared insolvent;

20.5.2 the Contractor is granted a moratorium or a stay, or is declared insolvent;

20.5.3 the Contractor makes an assignment for the benefit of one or more of its creditors;

20.5.4 a Receiver is appointed on account of the insolvency of the Contractor;

20.5.5 the Contractor offers a settlement in lieu of bankruptcy or receivership; *or*,

20.5.6 UNDP reasonably determines that the Contractor has become subject to a materially adverse change in its financial condition that threatens to substantially affect the ability of the Contractor to perform any of its obligations under the Contract.

20.6 Except as prohibited by law, the Contractor shall be bound to compensate UNDP for all damages and costs, including, but not limited to, all costs incurred by UNDP in any legal or non-legal proceedings, as a result of any of the events specified in Article 20.5, above, and resulting from or relating to a termination of the Contract, even if the Contractor is adjudged bankrupt, or is granted a moratorium or stay or is declared insolvent. The Contractor shall immediately inform UNDP of the occurrence of any of the events specified in Article 20.5, above, and shall provide UNDP with any information pertinent thereto.

20.7 The provisions of this Article 20 are without prejudice to any other rights or remedies of UNDP under the Contract or otherwise.

21. NON-WAIVER OF RIGHTS: The failure by either Party to exercise any rights available to it, whether under the Contract or otherwise, shall not be deemed for any purposes to constitute a waiver by the other Party of any such right or any remedy associated therewith, and shall not relieve the Parties of any of their obligations under the Contract.

22. NON-EXCLUSIVITY: Unless otherwise specified in the Contract, UNDP shall have no obligation to purchase any minimum quantities of goods or services from the Contractor, and UNDP shall have no limitation on its right to obtain goods or services of the same kind, quality and quantity described in the Contract, from any other source at any time.

23. SETTLEMENT OF DISPUTES:

23.1 AMICABLE SETTLEMENT: The Parties shall use their best efforts to amicably settle any dispute, controversy, or claim arising out of the Contract 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 Conciliation Rules then obtaining of the United Nations Commission on International Trade Law ("UNCITRAL"), or according to such other procedure as may be agreed between the Parties in writing.

23.2 ARBITRATION: Any dispute, controversy, or claim between the Parties arising out of the Contract or the breach, termination, or invalidity thereof, unless settled amicably under Article 23.1, above, within sixty (60) days after receipt by one Party of the other Party's written request for such amicable settlement, shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining. The decisions of the arbitral tribunal shall be based on general principles of international commercial law. The arbitral tribunal shall be empowered to order the return or destruction of goods or any property, whether tangible or intangible, or of any confidential information provided under the Contract, order the termination of the Contract, or order that any other protective measures be taken with respect to the goods, services or any other property,

whether tangible or intangible, or of any confidential information provided under the Contract, as appropriate, all in accordance with the authority of the arbitral tribunal pursuant to Article 26 ("Interim measures") and Article 34 ("Form and effect of the award") of the UNCITRAL Arbitration Rules. The arbitral tribunal shall have no authority to award punitive damages. In addition, unless otherwise expressly provided in the Contract, the arbitral tribunal shall have no authority to award interest in excess of the London Inter-Bank Offered Rate ("LIBOR") then prevailing, and any such interest shall be simple interest only. The Parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such dispute, controversy, or claim.

24. PRIVILEGES AND IMMUNITIES: Nothing in or relating to the Contract shall be deemed a waiver, express or implied, of any of the privileges and immunities of the United Nations, including its subsidiary organs.

25. TAX EXEMPTION:

25.1 Article II, 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 public utility services, and is exempt from customs restrictions, 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 the exemptions of UNDP from such taxes, restrictions, duties, or charges, the Contractor shall immediately consult with UNDP to determine a mutually acceptable procedure.

25.2 The Contractor authorizes UNDP to deduct from the Contractor's invoices any amount representing such taxes, duties or charges, unless the Contractor has consulted with UNDP before the payment thereof and UNDP has, in each instance, specifically authorized the Contractor to pay such taxes, duties, or charges under written protest. In that event, the Contractor shall provide UNDP with written evidence that payment of such taxes, duties or charges has been made and appropriately authorized, and UNDP shall reimburse the Contractor for any such taxes, duties, or charges so authorized by UNDP and paid by the Contractor under written protest.

26. MODIFICATIONS:

26.1 No modification or change in this Contract shall be valid and enforceable against UNDP unless executed in writing by the duly authorized representatives of the Parties.

26.2 If the Contract shall be extended for additional periods in accordance with the terms and conditions of the Contract, the terms and conditions applicable to any such extended term of the Contract shall be the same terms and conditions as set forth in the Contract, unless the Parties shall have agreed otherwise pursuant to a valid amendment concluded in accordance with Article 26.1, above.

26.3 The terms or conditions of any supplemental undertakings, licenses, or other forms of agreement concerning any Goods or Services provided under the Contract shall not be valid and enforceable against UNDP nor in any way shall constitute an agreement by UNDP thereto unless any such undertakings, licenses or other forms are the subject of a valid amendment concluded in accordance with Article 26.1, above.

27. AUDITS AND INVESTIGATIONS:

27.1 Each invoice paid by UNDP shall be subject to a post-payment audit by auditors, whether internal or external, of UNDP or by other authorized and qualified agents of UNDP at any time during the term of the Contract and for a period of three (3) years following the expiration or prior termination of the Contract.

27.2 UNDP may conduct investigations relating to any aspect of the Contract or the award thereof, the obligations performed under the Contract, and the operations of the Contractor generally relating to performance of the Contract at any time during the term of the Contract and for a period of three (3) years following the expiration or prior termination of the Contract.

27.3 The Contractor shall provide its full and timely cooperation with any such inspections, post-payment audits or investigations. Such cooperation shall include, but shall not be limited to, the Contractor's obligation to make available its personnel and any relevant documentation for such purposes at reasonable times and on reasonable conditions and to grant to UNDP access to the Contractor's premises at reasonable times and on reasonable conditions in connection with such access to the Contractor's personnel and relevant documentation. The Contractor shall require its agents, including, but not limited to, the Contractor's attorneys, accountants or other advisers, to reasonably cooperate with any inspections, post-payment audits or investigations carried out by UNDP hereunder.

27.4 UNDP shall be entitled to a refund from the Contractor for any amounts shown by such audits or investigations to have been paid by UNDP other than in accordance with the terms and conditions of the Contract. The Contractor also agrees that, where applicable, donors to UNDP whose funding is the source of, in whole or in part, the funding for the procurement of Goods and/or Services which are the subject of this Contract, shall have direct recourse to the Contractor for the recovery of any funds determined by UNDP to have been used in violation of or inconsistent with this Contract.

28. LIMITATION ON ACTIONS:

28.1 Except with respect to any indemnification obligations in Article 12, above, or as are otherwise set forth in the Contract, any arbitral proceedings in accordance with Article 23.2, above, arising out of the Contract must be commenced within three years after the cause of action has accrued.

28.2 The Parties further acknowledge and agree that, for these purposes, a cause of action shall accrue when the breach actually occurs, or, in the case of latent defects, when the injured Party knew or should have known all of the essential elements of the cause of action, or in the case of a breach of warranty, when tender of delivery is made, except that, if a warranty extends to future performance of the goods or any process or system and the discovery of the breach consequently must await the time when such goods or other process or system is ready to perform in accordance with the requirements of the Contract, the cause of action accrues when such time of future performance actually begins.

29. ESSENTIAL TERMS: The Contractor acknowledges and agrees that each of the provisions in Articles 30 to 36 hereof constitutes an essential term of the Contract and that any breach of any of these provisions shall entitle UNDP to terminate the Contract or any other contract with UNDP immediately upon notice to the Contractor, without any liability for termination charges or any other liability of any kind. In addition, nothing herein shall limit the right of UNDP to refer any alleged breach of the said essential terms to the relevant national authorities for appropriate legal action.

30. SOURCE OF INSTRUCTIONS: The Contractor shall neither seek nor accept instructions from any authority external to UNDP in connection with the performance of its obligations under the Contract. Should any authority external to UNDP seek to impose any instructions concerning or restrictions on the Contractor's performance under the Contract, the Contractor shall promptly notify UNDP and provide all reasonable assistance required by UNDP. The Contractor shall not take any action in respect of the performance of its obligations under the Contract that may adversely affect the interests of UNDP or the United Nations, and the Contractor shall perform its obligations under the Contract with the fullest regard to the interests of UNDP.

31. STANDARDS OF CONDUCT: The Contractor warrants that it has not and shall not offer any direct or indirect benefit arising from or related to the performance of the Contract, or the award thereof, to any representative, official, employee or other agent of UNDP. The Contractor shall comply with all laws, ordinances, rules and regulations bearing upon the performance of its obligations under the Contract. In addition, in the performance of the Contract, the Contractor shall comply with the Standards of Conduct set forth in the Secretary General's Bulletin ST/SGB/2002/9 of 18 June 2002, entitled "Regulations Governing the Status, Basic Rights and Duties of Officials other than Secretariat Officials, and Expert on Mission" and ST/SGB/2006/15 of 26 December 2006 on "Post-employment restrictions", and shall also comply with and be subject to the requirements of the following documents then in force at the time of signature of the Contract:

31.1 The UN Supplier Code of Conduct;

31.2 UNDP Policy on Fraud and other Corrupt Practices ("UNDP Anti-fraud Policy");

31.3 UNDP Office of Audit and Investigations (OAI) Investigation Guidelines;

31.4 UNDP Social and Environmental Standards (SES), including the related Accountability Mechanism;

31.5 UNDP Vendor Sanctions Policy; and

31.6 All security directives issued by UNDP.

The Contractor acknowledges and agrees that it has read and is familiar with the requirements of the foregoing documents which are available online at www.undp.org or at <http://www.undp.org/content/undp/en/home/operations/procurement/business/>. In making such acknowledgement, the Contractor represents and warrants that it is in compliance with the requirements of the foregoing, and will remain in compliance throughout the term of this Contract.

32. OBSERVANCE OF THE LAW: The Contractor shall comply with all laws, ordinances, rules, and regulations bearing upon the performance of its obligations under the Contract. In addition, the Contractor shall maintain compliance with all obligations relating to its registration as a qualified vendor of goods or services to UNDP, as such obligations are set forth in UNDP vendor registration procedures.

33. CHILD LABOR: The Contractor represents and warrants that neither it, its parent entities (if any), nor any of the Contractor's subsidiary or affiliated entities (if any) 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.

34. MINES: The Contractor represents and warrants that neither it, its parent entities (if any), nor any of the Contractor's subsidiaries or affiliated entities (if any) is engaged in the sale or manufacture of anti-personnel mines or components utilized in the manufacture of anti-personnel mines.

35. SEXUAL EXPLOITATION:

35.1 In the performance of the Contract, the Contractor shall comply with the Standards of Conduct set forth in the Secretary-General's bulletin ST/SGB/2003/13 of 9 October 2003, concerning "Special measures for protection from sexual exploitation and sexual abuse." In particular, the Contractor shall not engage in any conduct that would constitute sexual exploitation or sexual abuse, as defined in that bulletin.

35.2 The Contractor shall take all appropriate measures to prevent sexual exploitation or abuse of anyone by its employees or any other persons engaged and controlled 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 reasonable and appropriate measures to prohibit its employees or other persons engaged and controlled by it from exchanging any money, goods, services, or other things of value, for sexual favors or activities, or from engaging any sexual activities that are exploitive or degrading to any person.

35.3 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.

36. ANTI-TERRORISM: The Contractor agrees to undertake all reasonable efforts to ensure that none of the UNDP funds received under the Contract is used to provide support to individuals or entities associated with terrorism and that recipients of any amounts provided by UNDP hereunder do not appear on the list maintained by the Security Council Committee established pursuant to Resolution 1267 (1999). The list can be accessed via https://www.un.org/sc/suborg/en/sanctions/1267/aq_sanctions_list. This provision must be included in all sub-contracts or sub-agreements entered into under the Contract.