

REQUEST FOR QUOTATION (RFQ)

NAME & ADDRESS OF FIRM:	DATE: 14 November 2011
	REFERENCE: RFQ11/00474

Dear Sir / Madam:

You are kindly requested to submit your quotation for the following items before 16:30 (local time) on **22 November 2011**.

Item	Generic Description	Quantity																																																																								
1	Flue gas analyzer <table><thead><tr><th>Measurement Capabilities</th><th>Range</th><th>Resolution</th><th>Precision</th></tr></thead><tbody><tr><td>O₂ – sensor</td><td>0 + 21 % vol</td><td>0,1% vol</td><td>0,3 % vol</td></tr><tr><td>CO – sensor</td><td>0 + 8000 ppm</td><td>1 ppm</td><td>0-4000 ppm +20 ppm or <5% from measured value</td></tr><tr><td>CO high</td><td>0,800 + 3,000 % vol</td><td>0,001 % vol</td><td>10% from measured value</td></tr><tr><td>NO – sensor</td><td>0 + 2000 ppm</td><td>1 ppm</td><td>± 5 ppm or <5% from measured value</td></tr><tr><td>NO₂ – sensor</td><td>0 + 2000 ppm</td><td>1 ppm</td><td>± 5 ppm or <5% from measured value</td></tr><tr><td>SO₂ – sensor</td><td>0 + 3000 ppm</td><td>1 ppm</td><td>± 10 ppm or <5% from measured value</td></tr><tr><td>CO – undiluted</td><td>0 + 9,999 ppm</td><td>1 ppm</td><td></td></tr><tr><td>CO₂</td><td>0...CO2 max % vol.</td><td>0,1 % vol</td><td></td></tr><tr><td>P average</td><td>±2,01...±20,99 hPa</td><td>0,01 hPa</td><td>±1% val. mas.</td></tr><tr><td>P high</td><td>±21,0...±130 hPa</td><td>0,1 hPa</td><td>±1% val. mas. (±21,0...±70 hPa) ±2% val. mas. (±70...±130 hPa)</td></tr><tr><td>Chimney draught / Chimney pressure</td><td>-2,00...+2,00 hPa</td><td>±0,02 hPa + 1 digit</td><td></td></tr><tr><td>CO,NO,NO₂,SO₂</td><td>in mg/Nmc, mg/kWh sau mg/MJ</td><td></td><td></td></tr><tr><td>Chimney loss qA</td><td>-20...+100 %</td><td>0,1 %</td><td></td></tr><tr><td>Burning efficiency η</td><td>0...120 %</td><td>0,1 %</td><td></td></tr><tr><td>Air surplus Coef. λ</td><td>1,00...9,99 %</td><td>0,01 %</td><td></td></tr><tr><td>T of ambient air</td><td>-10 + +100 °C</td><td>0,1°C</td><td>≤1°C</td></tr><tr><td>T burned gases</td><td>-20 + 1000 °C</td><td>0,1°C</td><td>≤+ 2°C or < 1,5 % from measured value</td></tr></tbody></table> Equipment shall comply with Directive EN 50379-2. Approval certificate of the model SMV EN 50379-1: 2009 Operating autonomy: min 10 hours Operating temperature: + 5 °C - + 40 °C Storage temperature: - 20 °C - + 50 °C Device shall be equipped with: carrying case, printer, protection hood with magnet for attaching to metallic surfaces, charger, measuring probe (standard length 300 mm), a set of spare filters (5 filters + 5 Teflon membranes), ambient air temperature sensor, calibration certificate. <td>1</td>	Measurement Capabilities	Range	Resolution	Precision	O ₂ – sensor	0 + 21 % vol	0,1% vol	0,3 % vol	CO – sensor	0 + 8000 ppm	1 ppm	0-4000 ppm +20 ppm or <5% from measured value	CO high	0,800 + 3,000 % vol	0,001 % vol	10% from measured value	NO – sensor	0 + 2000 ppm	1 ppm	± 5 ppm or <5% from measured value	NO ₂ – sensor	0 + 2000 ppm	1 ppm	± 5 ppm or <5% from measured value	SO ₂ – sensor	0 + 3000 ppm	1 ppm	± 10 ppm or <5% from measured value	CO – undiluted	0 + 9,999 ppm	1 ppm		CO ₂	0...CO2 max % vol.	0,1 % vol		P average	±2,01...±20,99 hPa	0,01 hPa	±1% val. mas.	P high	±21,0...±130 hPa	0,1 hPa	±1% val. mas. (±21,0...±70 hPa) ±2% val. mas. (±70...±130 hPa)	Chimney draught / Chimney pressure	-2,00...+2,00 hPa	±0,02 hPa + 1 digit		CO,NO,NO ₂ ,SO ₂	in mg/Nmc, mg/kWh sau mg/MJ			Chimney loss qA	-20...+100 %	0,1 %		Burning efficiency η	0...120 %	0,1 %		Air surplus Coef. λ	1,00...9,99 %	0,01 %		T of ambient air	-10 + +100 °C	0,1°C	≤1°C	T burned gases	-20 + 1000 °C	0,1°C	≤+ 2°C or < 1,5 % from measured value	1
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2	Portable thermal imaging camera - sensor resolution: 160 x 120 pixels - range: -10 / +250 °C - thermal sensitivity: 150mK (0,15 °C) la 21 °C - field of view (FOV): H 20 ° x V 15 ° - spectral response: 8-14 µm - digital zoom: x2 - memory card: minimum 2GB - PC interface: USB 2.0 - Approval certificate of the model SMV EN 50379-1: 2009 - Carrying case.	1
3	Ultrasound device for determining the thickness of materials Measurement of wall thickness (pipes, tanks, metal objects) Measuring range: 0.63 - 500 mm Response speed range: 1250 - 10000m/s Accuracy: ± 0.01mm Resolution: 0.01mm Working temperature:-200C to 500C Display: LCD with backlight - Certificate of approval SMV model EN 50379-1: 2009	1

CONDITIONS	
Delivery Term (INCOTERMS 2010) & Place	☐ FCA ☐ CPT ☒ DAP
Delivery Place	UNDP Moldova, 131, 31 August 1989 Street, MD-2012 Chisinau, Moldova
Payment Terms	100% upon delivery
Validity of Quotation	☐ 30 DAYS ☒ 60 DAYS
Preliminary Examination - Completeness of quotation.	☐ Partial bids permitted ☒ Partial bids not permitted
Quantity change	The UNDP reserves the right to modify the quantity by 25% of the tendered goods
General Terms and Conditions	UNDP General Terms and Conditions for Goods/Services http://www.undp.org/procurement/operate.shtml

Please state	
Quantity discount and early payment discount	Availability of local service in country of final destination
List of recommended consumables and spares incl. Prices and details on local availability:	
☒ For a one year period ☐ For a period of	
Details on any warranty/guarantee conditions: minimum 1 (one) year warranty period.	

REQUIREMENTS
Language: All documentation, including installation and operating manuals shall be in: ☒ English ☐ French ☐ Spanish ☒ Others: Romanian
QUOTATIONS/OFFERS PRESENTATION REQUIREMENTS: The quotation/offer shall contain the following: • Company profile (short info up to 2 pages); • Detailed description of the offered equipment (including photos); • Quotation in MDL/USD/EUR exclusive of VAT, excise and other duties or taxes (other currencies shall be converted into USD at the UN Operational Rate of Exchange on the day of competition deadline; contract shall be signed with the winner in currency of the offer); • Statement on adherence to UNDP General Terms and Conditions and Payment and Delivery Terms above; • Additional information as requested under the "Please state" section; • Offers shall be presented in English or Romanian.

MINIMUM QUALIFICATION REQUIREMENTS:

- Minimum 2 years of experience in the field;
- Adherence to UNDP General Terms and Conditions and Payment and Delivery Terms above;
- Availability of a service in Moldova;
- Maximum delivery period not to exceed 30 days from the date of contract signature;
- Minimum 1 year warranty.

Offers will be evaluated based on their responsiveness to the technical specifications and the minimum qualification requirements, within the "either in or out" rule.

NAME, FUNCTIONAL TITLE: **Alexandru Ursul, Project Manager, Moldova Energy and Biomass Project**

Signature:  DATE: 14.11.11.

CONTACT PERSON: Mihai Maciuca, MEBP Procurement and Contract Management Officer
(mihai.maciuca@undp.org)

CONTACT ADDRESS: UNDP Moldova, 131, 31 August 1989 Street, MD-2012 Chisinau

SUBMISSION OF OFFERS:

Offers shall be marked with the note **"RfQ: Energy Efficiency Measurement Equipment for MEBP"**.
Offers shall reach the UNDP office not later than **22 November 2011, 16:30 (local time)**.

Offers can be submitted either in hard copy, or electronically. Offers received by fax will be rejected.
Incomplete offers shall not be examined.

a) Documents/offers in hard copy need to be submitted in a sealed envelope and addressed to:
**UNDP Moldova,
131, 31 August 1989 Street, MD-2012 Chisinau
Attention: Registry Office/Procurement**

b) Offers sent electronically need to be addressed to the following e-mail address:
tenders-Moldova@undp.org