

Tender Documentation for Invitation to Tender for the Supply of Spectral Radiometer VIS

1. Submitter: PRAMACOM-HT, spol. s r.o.
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2. Subject of Contract:

Spectral radiometer that enables measuring of radiometric quantities, spectral characteristics and colors of LCD displays, color materials and various illuminated surfaces as well as remote surface light sources.

- a) minimum wavelength range: 380 – 780 nm
- b) aperture enabling setting of 1° and at least two more smaller ones (e.g. 0,5° and 0,2°)
- c) possibility to measure if brightness is lower than 0,04 cd/m²
- d) integration time of at least 0,01 to 30 s
- e) basic set must enable measuring of at least 400 mm to infinity
- f) there must be included software for color coordinates analysis and for graphical representation of spectrum characteristic
- g) accuracy of x, y color coordinates for A-type source when brightness is 0,08 cd/m²: minimum ±0,0015
- h) connection with a computer via USB
- i) field of view at least 5°
- j) wavelength resolution better than 1,6 nm/pixel

3. Estimated contract value is EX WORKS 26.500,- EUR (660.000,- CZK) excl. VAT.

4. Place of Performance of Contract:

PRAMACOM-HT, spol. s r.o.
tř. 17. listopadu 50
779 00 Olomouc
Czech Republic

5. Delivery time: less than 10 weeks from receipt of order.

6. Proof of Qualifications

Existence of one's own website with a description of Subject of Contract.

Proof is done by stating a reference to the website (a link to the website must be a part of quotation).

7. Content of Quotation

The quotation must comprise at least a description of each component of the contract, technical parameters of the offer (minimal in the range of paragraph 2) with a guaranteed values of parameters and **a total ex works price**. Only new and unused products with a minimal warranty for 1 year may be offer.

8. Methodology for Quotation Elaboration

The quotation must be written either in English or in Czech language.

The quotation must be sent electronically in pdf format to the following email address: tender@infrared.cz

The electronic quotation must be accompanied by a signed statement of the candidate expressing agreement with the contents of the quotation.

9. Evaluation of Candidates

Quotations that do not meet the requirements of paragraph 2 will be excluded.

Quotations that exceed the expected value of the contract stated in paragraph 3 by more than 15% will be excluded.

Quotations declaring parameters with values being different from those stated on the website will be excluded.

Quotations that do not guarantee compliance with delivery time according to paragraph 5 will be excluded.

Each quotation will be given points based on five viewpoints:

- a) price
- b) spectral sensitivity
- c) portability for outdoor use
- d) low-light level sensitivity
- e) software quality.

Evaluation methodology:

ad a) lowest-priced quotation will be given 100 points, each other quotation $\{100 \cdot (\text{quotation price}) / (\text{best value for money price})\}$ points.

Proposed prices of various currencies will be converted to CZK based on rate applicable for the Czech National Bank on 15 August 2011.

ad b) quotation with the lowest number of nm/pixel will be evaluated as the best one and will be given 0 points, points of each other quotation will be deducted $\{2 \cdot \text{number of (pixel/nm) of the evaluated device}\} / \{\text{number of (pixel/nm) of the best device}\}$, whereas points will be rounded up.

Example: the best device has 0,4nm/element. Then the points of device which has 1,6nm/element will be deducted:

$(2 \cdot 1,6) / 0,4 = 8$ (after rounding up) 8 points.

ad c) Each quotation of device that is designed for outdoor use while its weight is less than 2,5 kg will be given 8 points.

ad d) Each quotation of device with an ability of brightness measurement from 0,005 cd/ m² (aperture 1°) will be given 5 points, and each quotation of device with an ability of brightness measurement from 0,0005 cd/ m² (aperture 1°) will be given another 7 points.

ad e) Each quotation of device with a special software for color coordinates analysis, graphical representation of spectrum characteristic and in addition with an ability to save measured data for follow-up computer analysis made by user's software application will be given 5 points.

The winning quotation is the one that will be given the highest number of points.

10. Deadline and Place for Tender Quotation Submitting

Quotations can be submitted continuously in period from tender invitations on 13 July 2011 to 15 August 2011. Place for tender quotation submitting is the email address from paragraph 8.