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**Specification**

**for the purchase of equipment for the initial examination of patients (EIEP-2024).**

1. **Profile of the service customer.**

IBF "Alliance of Public Health" (hereinafter the Alliance) is a leading professional organization that, in cooperation with key public organizations, the Ministry of Health and other government bodies, fights against a number of epidemics, including HIV/AIDS and TB in Ukraine, manages prevention programs and provides quality technical support and financial resources to organizations on the ground. The mission of the Alliance is to reduce the spread of infections and mortality and to reduce the negative impact of epidemics by supporting public response to them in Ukraine, as well as by spreading effective approaches to prevention and treatment in Eastern Europe and Central Asia.

As an independent legal entity, registered in Ukraine since 2003 and after acquiring management independence since January 2009, the Alliance shares the values and remains a member of the global partnership Frontline AIDS, which was previously known as the IBF "International Alliance for HIV/AIDS" (an international charitable organization, which connects 30 organizations from different countries, with the Secretariat in Hove, Great Britain).

This purchase is carried out by the Alliance as part of the implementation of the grant program "Restoring the population's access to medical care" in the Zaporizhzhia region within the framework of the USAID project "Supporting health care reform", which is financed by the United States Agency for International Development (USAID) and implemented by the company "Deloitte Consulting Overseas" Projects" (Deloitte Consulting Overseas Projects, LLC) and IBF "Public Health Alliance". Project registration card No. 3986-06; in accordance with the Plan for procurement of goods, works and services procured with the funds of international technical assistance.

1. **Requirements for products for purchase.**

2.1.1. Assortment and name of the product, as well as the required number of units

|  |  |  |
| --- | --- | --- |
| № | Name | Quantity, pcs. |
| 1 | Portable cardiograph. Portable 3-channel cardiograph with thermal printer and self-diagnosis function. | 4 |
| 2 | Portable cardiograph. Portable 6-channel cardiograph with thermal printer and self-diagnosis function. | 3 |
| 3 | Portable cardiograph. Portable 12-channel cardiograph with thermal printer and self-diagnosis function. | 2 |
| 4 | Spirometer | 5 |
| 5 | Plantographer | 8 |
| 6 | Ophthalmoscope | 7 |
| 7 | Otoscopes | 5 |
| 8 | Peak flow meter (electric) | 5 |
| 9 | Peak flow meter (mechanical) | 32 |
| 10 | Polarizing dermatoscope | 5 |
| 11 | Dermatoscope with a metal handle | 2 |

* + 1. Goods specification

|  |  |  |
| --- | --- | --- |
| **№** | **Description of the Product and its technical characteristics** | **Number of units (pieces)** |
| **1.Portable cardiograph.** Portable **3-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Specification of recording paper: 80mm (W) x 20m (L)  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 31.5 cm x 21.5 cm x 7.7 cm  Weight no more than 2.5 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 3 graphs of ECG leads  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | **4** |
| 2.**Portable cardiograph**. Portable **6-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Recording paper specification: 110mm (W) \* 20m (L) high speed thermal paper  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 31.5 cm x 21.5 cm x 9 cm  Weight no more than 2.5 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 6 graphs of ECG leads  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | **3** |
| 3.**Portable cardiograph.** Portable **12-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Specification of recording paper: 210mm (W) x 20m (L)  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 34 cm x 22 cm x 8 cm  Weight is approximately 3 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 12 ECG lead graphs  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | **2** |
| **4. Spirometer**  \* Spirolab, or the model is not worse in terms of characteristics | utonomous spirometer with thermal printer and TFT touch display.  Calculates 32 parameters (preferably):  FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25–75 (MEF), FEF75–85, Lung age, Extrapol. volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/ FVC, FEV3, FEV3/FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/ FEV0.5, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50 (I50), FIF75, FEF50/FIF50 (R50), VC, IVC, IC, ERV, IRV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV (time), MVV (time)  • Tests: FVC, VC, MVV, POST  • Output of results to a printer via a PC or built-in printer (preferred).  • Automatic interpretation according to ATS\ERS standards.  • Removable flow sensor does not require calibration.  • Memory capacity: up to 10,000 tests.  • Touch TFT display.  • Dimensions of the device: 220×210×51 mm. (preferred)  • Device weight: up to 2 kg.  • Battery operation.  Sensor SPO2-1 pc. Minimum 100 pcs. disposable mouthpieces. An additional set of disposable mouthpieces will be an advantage.  USB cable - 1pc (preferred). Nose clip - 1 pc. User manual in Ukrainian - 1 pc.  Printer paper – at least 1 roll. Carrying bag - 1 pc. Software. | **5** |
| **5. Plantographer** | * Overall dimensions of the support frame (+-7%): 500x550x300 mm. * • Sizes of platforms for feet (approximate): 450x500 mm. * • Availability of a chair for the patient. * • Thickness of the supporting glass (approximate): 12 mm. * • Angle of inclination of the reflecting mirror: 15 degrees. * • LED light on the front and back surfaces of the glass frame * • Lamp power: 10 W (2 pcs), 12V. * • The weight of the platform is no more than 30 kg. * • The load on the working surface is not less than 150 kg. | **8** |
| **6.** **Ophthalmoscope**  \* Preferably a Biomed YZ11D model or not worse in terms of characteristics | * • Ability to select at least five types of spots or marks: large spot, small spot, slit, concentric scale, red. * • Filter diameter 0.2 mm ~ 0.4 mm * • Lighting brightness > 80 lux * • Optical power compensation -35D ~ +20D, 24 in total. * • Power consumption 8 VA * • Light source Halogen lamp 3.5 V / 2.8 W * • Power supply ~ 220 V / 50 Hz or 2 alkaline batteries / 2 rechargeable batteries * • Net weight (without batteries) grams to 150 grams * • Total gram weight up to 400 grams * • Box (cover) - will be an advantage; * • Instructions in Ukrainian; * • Warranty – from 12 months | **7** |
| **7. Otoscopes** | * • A good view of the eardrum and ear canal. * • Vacuum lamp 2.5 V. * • Centrally focused light beam. * • Illumination level adjustment device (rheostat). * • Magnifying glass with a rotating mechanism. * • Three times magnification of the lens. * • Metal body of the head of the otoscope. * • Metal handle (power source) on two 1.5 V type C batteries (batteries not included in delivery) * • A set of disposable ear plugs in a plastic tube (at least 10 pieces). * • A bag to protect the device (will be an advantage) | **5** |
| **8. Peak flow meter (electric)** | * • Purpose: to determine the functioning of the lungs, which measures the maximum possible exhalation of the user * • Measurement accuracy meets BS EN ISO 26782: 2009 and BS EN ISO 23747: 2009 standards * • Flow: Turbine sensor * • Volume: Flow integration * • Measurement range * Volume: 0.01l ~ 9.99l * Flow: 50 l/min ~ 900 l/min * • Accuracy: * Flow: ± 3% or ± 0.05 l * Volume: ± 10% or ± 20 l/min * • Display: Segment LCD * Size 1.8 inches * • Memory capacity: 300 results * • Power source Batteries AAA1.5 × 2 b * • Data transfer USB cable and disk with data processing program * • Complete set: peak flow meter, replaceable mouthpiece, operating instructions | **5** |
| **9. Peak flow meter (mechanical)** | * Color scale of proper values * • Material: ABS plastic * • Accuracy: ± 10 l/min or ± 10% of reading * • Repeatability: ± 5 l/min or ± 5% of reading * • Altitude effect on peak flowmeters (and exhaled air): higher readings by about 5% for every 1000 m * • The greatest flow resistance: 0.00384 kPa/l/min — 720 l/min * • Storage conditions: temperature: 10-35 oС; relative humidity 30-75% * • Amplitude characteristic: the difference between A/B profiles is less than 15 l/min/15% * • Measuring range: 50-800 l/min BTPS (temperature, pressure, air,насичене водяними парами) * • Complete set: peak flow meter, operating instructions | **32** |
| **10. Polarizing dermatoscope \***  \* Preferably the ILLUCO IDS-1100 model or not worse in terms of characteristics | * • Purpose: to evaluate changes in the structure of the skin and study the nature of its lesions. * • The ability to distinguish between benign and malignant (cancerous) skin lesions * • Special adapters for smartphones to save the image on the internal storage or cloud service and enlarge the image with the phone's digital zoom. * • Polarization: Cross and parallel * • Aperture: 25 mm * • Anti-corrosion coating * • Magnification: 10X * • LED: 32 pcs * • Button for changing the polarization mode (cross / parallel) * • Brightness control button * • On/off button * • Rechargeable battery 1150 mAh with charging via USB cable * • Time of continuous work: at least 2 hours * • Weight: no more than 200 gr. * • A bag to protect the device (will be an advantage) | **5** |
| **11. Dermatoscope with a metal handle\***  Preferably KaWe EUROLIGHT D30 model or not worse in terms of characteristics | * • "Click" lock * • charged from the mains (EC 240 B) * • LED lamp standard 3.5 V * • lighting ca. 15,000 lux * • lamp life approx. 50,000 hours * • Magnification: 10X * • focus setting from –6 to +3.5 diopters * • Rheostat for adjusting the brightness of the light * • Metal rechargeable handle * • A bag to protect the device (will be an advantage) | **2** |

**3. Packaging**

3.1. The packaging in which the Goods are shipped must meet established international standards and ensure, subject to proper care of the cargo, its preservation during transportation, loading, unloading and storage.

3.2. The packaging of the Product must contain the following information: manufacturer, name of the product, year of manufacture.

3.3. Product marking must meet the requirements of technical regulations.

**4. Warranty obligations**

The term of warranty service is at least 12 months from the moment of delivery of the equipment.

**5. Conditions and term of delivery.**

5.1. Delivery on the terms of DAP to the addresses of institutions:

|  |  |  |
| --- | --- | --- |
| № | Name | Quantity, pcs. |
| 1 | Portable cardiograph. Portable 3-channel cardiograph with thermal printer and self-diagnosis function. | 2 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 2 | Portable cardiograph. Portable 6-channel cardiograph with thermal printer and self-diagnosis function. | 3 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 3 | Portable cardiograph. Portable 12-channel cardiograph with thermal printer and self-diagnosis function. | 2 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 4 | Spirometer | 5 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 5 | Plantographer | 2 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 6 | Ophthalmoscope | 5 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 7 | Otoscopes | 2 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 8 | Peak flow meter (electric) | 4 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 9 | Peak flow meter (mechanical) | 3 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 10 | Polarizing dermatoscope | 4 addresses: Zaporizhzhia region and Zaporizhzhia city |
| 11 | Dermatoscope with a metal handle | 2 addresses: Zaporizhzhia region and Zaporizhzhia city |

5.2. The delivery of the Goods is planned to be carried out no later than 30.11.2024.

5.3. Participants are invited to provide their own forecasts regarding the terms of delivery of the partial and full volume of the order (see Appendix No. 3 to this Specification).

**6. Terms of payment**

6.1. Payment

• Advance payment of 50 (fifty) %, within 10 (ten) banking days from the date of receipt of the invoice.

• The balance of 50 (fifty) % of the amount of the concluded Agreement, within 10 (ten) banking days from the date of delivery of the Goods to the Buyer.

• Or 100% balance payment within 10 (ten) banking days from the date of delivery of the Goods to the Buyer.

6.2. The supply contract will be concluded and payments will be made in:

• Ukrainian hryvnias for residents of Ukraine, which will be the equivalent in dollars according to the official exchange rate of the National Bank of Ukraine on the day of invoicing for the delivery of each individual batch of Goods.

• US dollars with non-residents of Ukraine.

**7. General requirements for products and documentation.**

Each participant of the competition must provide copies of the following documents:

|  |  |  |
| --- | --- | --- |
| **№** | **Goods** | **List of documents and permits required for use on the territory of Ukraine according to current legislation** |
| **1-11** | Equipment for initial examination of patients | 1. Copy of ISO 9001 and/or ISO 13485 quality management system certificate  2. Operational documentation in Ukrainian, in the case of documentation in another language - a mandatory translation into Ukrainian.  3. Declaration of compliance with technical regulation No. 753 regarding medical devices  4. A sample of the quality certificate/passport issued by the manufacturer (the document for the device will be required upon delivery) |

**8. Content of Tender Applications**

Bidders must include the following information in the Tender Applications (scanned copies:

a) a copy of documents testifying to the state registration of the participant of the competition.

b) copies of valid documents according to paragraph 7 of the specification in accordance with the Lot.

c) If the participant is an intermediary or distributor (does not produce goods, but offers products of another legal entity) - a copy of a valid document issued by the manufacturer confirming the status of the participant as a distributor of such products.

d) completed annexes to the specification:

- completed form of the participant of the competition (see appendix No. 1);

- the table of compliance with the specification criteria (see appendix No. 2). The application is filled out for the lot offered by the participant;

- the table on the applicant's price offer (see appendix No. 3).

- composition of final beneficial owners of the tender participant (see appendix No. 4).

e) any other documents that, in your opinion, may be useful in making a decision.

**9. Requirements for drawing up a tender offer**

Please ensure that your tender is properly structured:

- Documents must be structured according to the list specified in Clause 8 of this Specification;

- The tender offer must contain a table of contents with a list of all submitted documents;

- All documents drawn up in languages ​​other than Ukrainian or English must necessarily have a translation into one of the specified languages;

- Scanned copies of each document must be certified by signature and seal; additionally, Appendix No. 2 and 3 in word format.

The proposal should be sent electronically in encrypted ZIP archives to a separate e-mail box tenders@aph.org.ua.

In the subject of the letter, it is necessary to indicate: Attention: Blaise Olga, proposal for the supply of equipment for the initial examination of patients EIEP-2024. Specify in the letter:

|  |
| --- |
| **PROPOSAL FOR TENDER**  **From LLC "\_\_\_\_\_\_\_\_\_"**  **for the purchase of equipment for the initial examination of patients EIEP-2024**  **DO NOT DISCLOSE until 12:00 p.m., October 23, 2024** |

• In parallel with the proposal, send a notification about sending this proposal to the email address: blaise@aph.org.ua:

LLC "\_\_\_\_\_\_\_" sent a price offer for the tender for the purchase of equipment for the initial examination of patients EIEP-2024 in October… 2024 at ..:.. .

• October 24, 2024 until 12:15 p.m. send the password from the offer to the chat, messenger or email address: blaise@aph.org.ua.

**10. Criteria for evaluating price offers:**

a) compliance of the proposed products with the specification parameters;

b) proper product quality, documented in accordance with Clause 7;

c) acceptable price;

d) delivery term.

**Annex# 1 to the Specification for the purchase of equipment for the initial examination of patients (EIEP-2024).**

General information

Please fill in the table below:

|  |  |  |
| --- | --- | --- |
| 1. | Full name of the company |  |
| 2. | Legal address of the company |  |
| 3. | Mailing address of the company |  |
| 4. | General manager of the company (name, title) |  |
| 5. | Contact phone of the company manager |  |
| 6. | Contact person on Application submission issues |  |
| 7. | Contact person phone number |  |
| 8. | Email |  |
| 9. | Company page on the Internet |  |
| 10. | Bank details for entering into a supply contract |  |

Signed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

holding the position of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

on behalf of the company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_ (day) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (month) 20\_\_\_\_\_\_\_\_ (year).

# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (signature)

**Annex# 2 to the Specification for the purchase of equipment for the initial examination of patients (EIEP-2024).**

Table of compliance with the requirements of the specification.

Please fill in the table below as confirmation of product compliance with the technical requirements of this specification.

|  |  |  |
| --- | --- | --- |
| **№** | **Description of the Product and its technical characteristics** | **Characteristics of the proposed product, comments.** |
| **1.Portable cardiograph.** Portable **3-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Specification of recording paper: 80mm (W) x 20m (L)  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 31.5 cm x 21.5 cm x 7.7 cm  Weight no more than 2.5 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 3 graphs of ECG leads  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | specify the product model, part number, product characteristics and completeness |
| 2.**Portable cardiograph**. Portable **6-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Recording paper specification: 110mm (W) \* 20m (L) high speed thermal paper  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 31.5 cm x 21.5 cm x 9 cm  Weight no more than 2.5 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 6 graphs of ECG leads  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | specify the product model, part number, product characteristics and completeness |
| 3.**Portable cardiograph.** Portable **12-channel** cardiograph with thermal printer and self-diagnosis function. | Characteristics  Ambient temperature: +5 ~ +40  Permissible humidity: 80%  Power supply: AC: 100V ~ 240V, 50/60Hz  ECG electrodes:  Type of protection: preferably class I type CF with defibrillation protection  Electrodes: 12 standard leads  Input: grounding and defibrillation protection  Patient leakage current: <10A  Sampling frequency: 1000 Hz  ADC bit rate: 12 bits  Frequency response: 0.05Hz ~ 150Hz (-3dB, +0.4dB)  CMRR (common-mode signal attenuation ratio): > 60dB, > 100dB (add filter)  Polarization voltage: ± 500mV  The noise level is approximately: 15V pp  EMG interference filter: 35Hz (-3dB)  AC filter: 50/60Hz (20dB)  Recording device: thermal printing system  Specification of recording paper: 210mm (W) x 20m (L)  Sensitivity: 5,10,20 mm / mV Auto  Paper speed: 25mm/s, 50mm/s  AC: 12V adapter  DC: 8.4V, 2000 mAh lithium-polymer battery  Dimensions are approximately 34 cm x 22 cm x 8 cm  Weight is approximately 3 kg  LCD display  Management: touch screen and/or software keyboard.  12-electrode ECG with simultaneous signal sampling  Simultaneous display of 12 ECG lead graphs  Built-in data storage.  It is possible to connect to a computer and a desktop printer  Complete set:  • Cardiograph;  • A set of EC electrodes;  • Patient's ECG cable;  • Thermal paper - 1 roll;  • Transport bag (will be an advantage);  • User manual  • Warranty card | specify the product model, part number, product characteristics and completeness |
| **4. Spirometer**  \* Spirolab, or the model is not worse in terms of characteristics | utonomous spirometer with thermal printer and TFT touch display.  Calculates 32 parameters (preferably):  FVC, FEV1, FEV1/FVC, FEV1/VC, PEF, FEF25, FEF50, FEF75, FEF25–75 (MEF), FEF75–85, Lung age, Extrapol. volume, FET, Time to PEF, FEV0.5, FEV0.5/FVC, FEV0.75, FEV0.75/FVC, FEV2, FEV2/ FVC, FEV3, FEV3/FVC, FEV6, FEV1/ FEV6, FEV1/PEF, FEV1/ FEV0.5, FIVC, FIV1, FIV1/FIVC, PIF, FIF25, FIF50 (I50), FIF75, FEF50/FIF50 (R50), VC, IVC, IC, ERV, IRV, Rf, VE, VT, tI, tE, VT/tI, tE/tTOT, MVV (time), MVV (time)  • Tests: FVC, VC, MVV, POST  • Output of results to a printer via a PC or built-in printer (preferred).  • Automatic interpretation according to ATS\ERS standards.  • Removable flow sensor does not require calibration.  • Memory capacity: up to 10,000 tests.  • Touch TFT display.  • Dimensions of the device: 220×210×51 mm. (preferred)  • Device weight: up to 2 kg.  • Battery operation.  Sensor SPO2-1 pc. Minimum 100 pcs. disposable mouthpieces. An additional set of disposable mouthpieces will be an advantage.  USB cable - 1pc (preferred). Nose clip - 1 pc. User manual in Ukrainian - 1 pc.  Printer paper – at least 1 roll. Carrying bag - 1 pc. Software. | specify the product model, part number, product characteristics and completeness |
| **5. Plantographer** | * Overall dimensions of the support frame (+-7%): 500x550x300 mm. * • Sizes of platforms for feet (approximate): 450x500 mm. * • Availability of a chair for the patient. * • Thickness of the supporting glass (approximate): 12 mm. * • Angle of inclination of the reflecting mirror: 15 degrees. * • LED light on the front and back surfaces of the glass frame * • Lamp power: 10 W (2 pcs), 12V. * • The weight of the platform is no more than 30 kg. * • The load on the working surface is not less than 150 kg. | specify the product model, part number, product characteristics and completeness |
| **6.** **Ophthalmoscope**  \* Preferably a Biomed YZ11D model or not worse in terms of characteristics | * • Ability to select at least five types of spots or marks: large spot, small spot, slit, concentric scale, red. * • Filter diameter 0.2 mm ~ 0.4 mm * • Lighting brightness > 80 lux * • Optical power compensation -35D ~ +20D, 24 in total. * • Power consumption 8 VA * • Light source Halogen lamp 3.5 V / 2.8 W * • Power supply ~ 220 V / 50 Hz or 2 alkaline batteries / 2 rechargeable batteries * • Net weight (without batteries) grams to 150 grams * • Total gram weight up to 400 grams * • Box (cover) - will be an advantage; * • Instructions in Ukrainian; * • Warranty – from 12 months | specify the product model, part number, product characteristics and completeness |
| **7. Otoscopes** | * • A good view of the eardrum and ear canal. * • Vacuum lamp 2.5 V. * • Centrally focused light beam. * • Illumination level adjustment device (rheostat). * • Magnifying glass with a rotating mechanism. * • Three times magnification of the lens. * • Metal body of the head of the otoscope. * • Metal handle (power source) on two 1.5 V type C batteries (batteries not included in delivery) * • A set of disposable ear plugs in a plastic tube (at least 10 pieces). * • A bag to protect the device (will be an advantage) | specify the product model, part number, product characteristics and completeness |
| **8. Peak flow meter (electric)** | * • Purpose: to determine the functioning of the lungs, which measures the maximum possible exhalation of the user * • Measurement accuracy meets BS EN ISO 26782: 2009 and BS EN ISO 23747: 2009 standards * • Flow: Turbine sensor * • Volume: Flow integration * • Measurement range * Volume: 0.01l ~ 9.99l * Flow: 50 l/min ~ 900 l/min * • Accuracy: * Flow: ± 3% or ± 0.05 l * Volume: ± 10% or ± 20 l/min * • Display: Segment LCD * Size 1.8 inches * • Memory capacity: 300 results * • Power source Batteries AAA1.5 × 2 b * • Data transfer USB cable and disk with data processing program * • Complete set: peak flow meter, replaceable mouthpiece, operating instructions | specify the product model, part number, product characteristics and completeness |
| **9. Peak flow meter (mechanical)** | * Color scale of proper values * • Material: ABS plastic * • Accuracy: ± 10 l/min or ± 10% of reading * • Repeatability: ± 5 l/min or ± 5% of reading * • Altitude effect on peak flowmeters (and exhaled air): higher readings by about 5% for every 1000 m * • The greatest flow resistance: 0.00384 kPa/l/min — 720 l/min * • Storage conditions: temperature: 10-35 oС; relative humidity 30-75% * • Amplitude characteristic: the difference between A/B profiles is less than 15 l/min/15% * • Measuring range: 50-800 l/min BTPS (temperature, pressure, air,насичене водяними парами) * • Complete set: peak flow meter, operating instructions | specify the product model, part number, product characteristics and completeness |
| **10. Polarizing dermatoscope \***  \* Preferably the ILLUCO IDS-1100 model or not worse in terms of characteristics | * • Purpose: to evaluate changes in the structure of the skin and study the nature of its lesions. * • The ability to distinguish between benign and malignant (cancerous) skin lesions * • Special adapters for smartphones to save the image on the internal storage or cloud service and enlarge the image with the phone's digital zoom. * • Polarization: Cross and parallel * • Aperture: 25 mm * • Anti-corrosion coating * • Magnification: 10X * • LED: 32 pcs * • Button for changing the polarization mode (cross / parallel) * • Brightness control button * • On/off button * • Rechargeable battery 1150 mAh with charging via USB cable * • Time of continuous work: at least 2 hours * • Weight: no more than 200 gr. * • A bag to protect the device (will be an advantage) | specify the product model, part number, product characteristics and completeness |
| **11. Dermatoscope with a metal handle\***  Preferably KaWe EUROLIGHT D30 model or not worse in terms of characteristics | * • "Click" lock * • charged from the mains (EC 240 B) * • LED lamp standard 3.5 V * • lighting ca. 15,000 lux * • lamp life approx. 50,000 hours * • Magnification: 10X * • focus setting from –6 to +3.5 diopters * • Rheostat for adjusting the brightness of the light * • Metal rechargeable handle * • A bag to protect the device (will be an advantage) | specify the product model, part number, product characteristics and completeness |

Signed by me, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

acting in the capacity of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(legal entity director)

on behalf of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_ (day) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (month) 20\_\_\_\_\_\_\_\_ (year).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (signature

**Annex# 3 to the Specification for the purchase of equipment for the initial examination of patients (EIEP-2024).**

Price offer.

Each of the participants is invited to form their price offers in the form of the table below.

When filling out the table, pay attention to the following:

1. The price of the products is provided on the terms of delivery in accordance with the requirements of Clause 5 of the specification.

2. The price of the Product must include the cost of the product itself, packaging/container, labeling and delivery.

3. The price is provided:

• in US dollars;

• taking into account all appropriate taxes, fees and expenses in accordance with the specified terms of delivery according to the legislation of Ukraine;

4. Payments will be made:

• in hryvnias of Ukraine according to the official exchange rate of the National Bank of Ukraine on the day of invoicing for residents of Ukraine

• in US dollars with non-residents of Ukraine.

Please complete the table below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Лот №** | **Goods** | **Brand, article number, country of origin** | **Quantity to be purchased, units** | **Price for unit of Goods, USD, without VAT** | **Total amount, USD, without VAT** | **Expected supply time in days** |
| 1 | Portable 3-channel cardiograph |  |  |  |  |  |
| 2 | Portable 6-channel cardiograph |  |  |  |  |  |
| 3 | Portable 12-channel cardiograph |  |  |  |  |  |
| 4 | Spirometer |  |  |  |  |  |
| 5 | Plantographer |  |  |  |  |  |
| 6 | Ophthalmoscope |  |  |  |  |  |
| 7 | Otoscopes |  |  |  |  |  |
| 8 | Peak flow meter (electric) |  |  |  |  |  |
| 9 | Peak flow meter (mechanical) |  |  |  |  |  |
| 10 | Polarizing dermatoscope |  |  |  |  |  |
| 11 | Dermatoscope with a metal handle |  |  |  |  |  |

Signed by me, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

acting in the capacity of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(legal entity director)

on behalf of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_ (day) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (month) 20\_\_\_\_\_\_\_\_ (year).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (signature)

**Annex# 4 to the Specification for the purchase of equipment for the initial examination of patients (EIEP-2024).**

by signing this form, we confirm the following assurances, which are important for the conclusion of the contract with the ICF "Alliance for Public Health":

1. The Company (the legal entity that submits this and other documents for participation in the tender is specified below), any of its directors (members of the board of directors), members of the Company, its ultimate beneficial owner/owners, its officials or employees of the Company , or any agent, affiliate or other person acting on behalf of the Company, is not currently subject to US sanctions administered by the Office of Foreign Assets Control of the US Department of the Treasury or the US Department of State, the United Nations Security Council Nations, the European Union, Her Majesty's Treasury of the United Kingdom or other authorized sanctioning body.
2. The Company, and/or a member of the Company, and/or the ultimate beneficial owner of the Company are not included in the sanctions list of the National Security and Defense Council of Ukraine (in accordance with Article 5 of the Law of Ukraine "On Sanctions").
3. Personal special economic and other restrictive measures (sanctions) have not been applied to the Company's goods, services and/or works in accordance with Article 5 of the Law of Ukraine "On Sanctions".

**Composition of the final beneficiaries of the participant**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the organization/ person's full name** | **Registration code/passport data** | **Registration address** | **Citizenship** | **Is the organization/ person included in the sanctions lists of the USA, the European Union, and Ukraine.** |
|  |  |  |  |  |
|  |  |  |  |  |

# *[signature] [position]*

Authorized to sign a commercial proposal for and on behalf of:

*[the company name] Company seal*