REQUEST FOR QUOTATION (RFQ)
RFQ UKR/2020/785

All Interested	DATE: November 30, 2020
	REFERENCE: RFQ UKR/2020/785

Dear Sir / Madam:

We kindly request you to submit your quotation for **Supply of equipment for the provision of medical services using telemedicine for three village councils (Zolotobalkivska, Novooleksandrivska, Mykhailivska) in Novovorontsovskyi districts (Kherson region) and two medical and obstetric stations in Zelenopidska ATH (Amalgamated Territorial Community) in Kherson region of Ukraine**, as detailed in Annex 1 of this RFQ. When you will be preparing your quotation, please be guided by the form attached hereto as Annex 2.

Quotations may be submitted on or before **23:59 (Kyiv time) December 14, 2020** and via *e-mail* to the address below:

United Nations Development Programme
tenders.ua@undp.org
Procurement Unit

Quotations submitted by email must be limited to a maximum **of 5 MB**, virus-free and no more than 5 email transmissions. *Files larger than 5 MB will not be delivered and therefore the quotation will not be considered*. They must be free from any form of virus or corrupted contents, or the quotations shall be rejected.

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. *Please ensure that you received an autoreply from above-mentioned E-mail address indicating that the message was received.* Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned services:

<table>
<tr><td>Delivery Terms [INCOTERMS 2010]</td><td>DAP Kherson, Ukraine</td></tr>
<tr><td>Customs clearance, if needed, shall be done by:</td><td>☐ UNDP
☒ Supplier
☐ Freight Forwarder</td></tr>
<tr><td>Exact Address/es of Delivery Location/s (identify all, if multiple)</td><td><table>
<tr><td># of sets</td><td>Address of delivery</td></tr>
<tr><td>1</td><td># 42 B, Centralna str., Zolota Balka village, Novovorontsovskyi district, Kherson region, 74214, Ukraine</td></tr>
<tr><td>1</td><td># 96, Pershogo Travnia str., Novooleksandrivka village, Novovorontsovskyi district, Kherson region, 74231, Ukraine</td></tr>
<tr><td>1</td><td>#40, Leontiivska str. Mykhailivka village, Novovorontsovskyi district, Kherson region, 74230, Ukraine</td></tr>
<tr><td>2</td><td>#12, Myru str., Zelenyi Pid village, Kakhovskyi district, Kherson region, 74853, Ukraine.</td></tr>
</table></td></tr>
<tr><td>Latest Expected Delivery Date and Time (if delivery time exceeds this, quote may be rejected by UNDP)</td><td>☒ not later than 31 December 2020</td></tr>
<tr><td>Delivery Schedule</td><td>☒Required
☐Not Required</td></tr>
<tr><td>Packing Requirements</td><td>Packaging must comply with the safe transport of the goods offered</td></tr>
<tr><td>Preferred Currency of Quotation[1]</td><td>☒ United States Dollars (US$)
☐ Euro
☒ Hryvnia
For local companies: in case the offer was submitted in US dollars, payment will be provided in local currency (UAH) at the UNDP rate for the day of payment
http://treasury.un.org</td></tr>
<tr><td>Value Added Tax on Price Quotation</td><td>☒ Must be inclusive of VAT and other applicable indirect taxes (VAT amount should be clearly indicated in a separate line)
☐ Must be exclusive of VAT and other applicable indirect taxes</td></tr>
<tr><td>After-sales services required</td><td>☒ Not less than 1 year official manufacturer warranty</td></tr>
<tr><td>Deadline for the Submission of Quotation</td><td>23:59, Monday, December 14, 2020 and Kyiv time</td></tr>
</table>

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

All documentations, including catalogs, instructions and operating manuals, shall be in this language	☒ English or ☒ Ukrainian/Russian
Documents to be submitted	☒ Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1; ☒ Offer with a detailed description of the equipment and showing all the parameters of the Specifications and visualization (Annex 1); ☒ Copy of Latest Business Registration Certificate and Tax Registration certificate (not mandatory on submission stage but will be required if Offeror is selected for contract award); ☒ Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer) – will be an asset;
Period of Validity of Quotes starting the Submission Date	☒ 60 days In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation.
Partial Quotes	☒ Not permitted ☐ Quotations are allowed
Payment Terms[2]	☒ 100% upon complete delivery of goods. In exceptional basis 20% prepayment can be made. ☐ Others

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

Evaluation Criteria	☒ Technical responsiveness/Full compliance to requirements and lowest price[3] *Submitted offers will be reviewed on "Pass" or "Fail" basis to determine compliance with the below criteria/requirement/s:* ✔ Offers must be submitted within the stipulated deadline ✔ Offers must meet required Offer Validity ✔ Offers have been signed by the proper authority ✔ Offers include requested company/organization documentation as mentioned above in *Documents to be submitted* section ✔ Offers must comply with **general requirements**: a) Properly registered company/organization b) Company is an official sales agent of manufacturer (asset); c) The company should have at least 3 years professional experience; d) Acceptance of Warranty and After-Sales Requirements e) Delivery time should not exceed specified deadline; f) Technical responsiveness to stipulated requirements in specification/terms of reference ☒ Full acceptance of the Contract General Terms and Conditions http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
UNDP will award to:	☒ One and only one supplier ☐ One or more Supplier, depending on the following factors: per lots
Type of Contract to be Signed	☒ Purchase Order ☐ Long-Term Agreement ☐ Other Type/s of Contract: Contract for Professional Services
Special conditions of Contract	☒ Cancellation of PO/Contract if the delivery/completion is delayed by 30 days ☒ Others Liquidated damages: Up to 0.1% of total contract amount per week of delay may be applied on discretion of UNDP.
Conditions for Release of Payment	☒ Mutual Written Acceptance of Goods/Services based on full compliance with RFQ requirements. Upon provision of originals of invoice, act of acceptance and tax invoice (if applicable).

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

Annexes to this RFQ	☒ Terms of Reference with Appendix (Annex 1) ☒ Form for Submission of Quotation (Annex 2) ☒ General Terms and Conditions / Special Conditions - Available through the Link: http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html. **Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.**
Contact Person for Inquiries (Written inquiries only)[4]	Mr. Denys Shliapkin, UNDP Procurement Assistant (denys.shliapkin@undp.org) 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.

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/Contract 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

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

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/procurement/business/protest-and-sanctions.html .

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: https://popp.undp.org/UNDP_POPP_DOCUMENT_LIBRARY/Public/AC_Anti-Fraud_UN%20Supplier%20Code%20of%20Conduct_english.pdf#search=code%20of%20conduct

Thank you and we look forward to receiving your quotation.

Sincerely yours,

Ms. Manal Fouani,
Manal Fouani *Deputy Resident Representative*
UNDP Ukraine
November 30, 2020

AD

Annex 1

Specification

For the procurement of equipment for the provision of medical services using telemedicine for three village councils (Zolotobalkivska, Novooleksandrivska, Mykhailivska) in Novovorontsovskyi districts (Kherson region) and two medical and obstetric stations in Zelenopidska ATH (Amalgamated Territorial Community) in Kherson region of Ukraine.

Local Socio-Economic Recovery (LSER) Project

Background Information

UNDP and the Government of Ukraine have partnered in implementing the reforms in many different areas for the achievement of SDGs. Over the last two decades UNDP built long-lasting partnerships with national, regional and local authorities throughout the country, non-governmental development actors and local communities. Through a permanent local presence in each Ukrainian oblast and the quality of its partnerships, UNDP has been able to introduce and promote best practices of sustainable development at regional and local levels. Under its Sustainable Local Development Programme, UNDP helps to advance regional and local sustainable development. Across all 24 oblasts, SDG Oblast Coordinators act as development integrators for SDG-related activities of UNDP, UN agencies and other partners. This joint approach provides an excellent example of UN reform in action and strongly anchors UNDP as SDGs integrator.

At the same time, Ukraine, like all other countries in the world, faces the negative impact of the COVID-19 pandemic. This outbreak coincided with the change of government in the country, exacerbated by the insufficient progress of reforms, weakened health system, ageing population, macroeconomic decline and the protracted armed conflict in eastern Ukraine. The COVID-19 pandemic severely affected all the regions and local communities in Ukraine, in particular putting additional strains on the local budgets and exacerbating the results of long-term underinvestment in the public health system. In addition, administrative services are suspended or only partially provided due to the lack of local capacity, both institutional and human resources, to operate under these critical circumstances.

UNDP is already helping countries to advance inclusive and integrated crisis management by supporting governments around the globe to maintain core functions, and to plan, coordinate, communicate and finance their responses to COVID-19. UNDP has defined a structured approach and strategy for high-impact programmatic interventions to support both national and sub-national governments to prepare, respond and recover from COVID-19. Regional and local authorities in Ukraine are facing significant challenges in assessing the socio-economic impact of COVID-19 and developing crisis response and recovery measures to support the regions to overcome the effects of the COVID-19 spread in 2020-2021. Possible areas of interventions include supporting entrepreneurship; industrial development; increasing exports of domestic goods and services; and working with international financial institutions to support the economic development of the regions. UNDP Ukraine is currently performing a country-wide COVID-19 socio-economic impact assessment (SEIA) in close cooperation with other UN agencies. The

assessment focuses on the impact of the pandemic on SMEs as well as households with specific focus on vulnerabilities in the context of the crisis. During the end of May-beginning of June surveys of about 1,000 SMEs and about 1,000 households representing all regions of Ukraine were conducted. The findings of the assessment will inform the policy recommendations and will be used in further development of programmatic interventions aimed to support the Government's response to crisis and sustainable post-crisis recovery. As a follow up to this activity, within the current action UNDP will support more in-depth and region-specific socio-economic impact assessments, to ensure more comprehensive and deeper look at the sub-national level. The findings from the regional assessments will inform development of regional and local measures in response to crisis and support to post-crisis recovery in the targeted oblasts.

The Project purpose is to support regional and local authorities in assessing and addressing the socio-economic impact of COVID-19 .

Expected outcomes: Improved capacity of regional and local authorities of target oblasts to plan and implement crisis response and post-crisis recovery measures and secure progress towards SDGs.

Delivery Terms:

DAP, Kherson, Ukraine.

Address of delivery:

# of sets	Address of delivery
1	# 42 B, Centralna str., Zolota Balka village, Novovorontsovskyi district, Kherson region, 74214, Ukraine
1	# 96, Pershogo Travnia str., Novooleksandrivka village, Novovorontsovskyi district, Kherson region, 74231, Ukraine
1	#40, Leontiivska str. Mykhailivka village, Novovorontsovskyi district, Kherson region, 74230, Ukraine
2	#12, Myru str., Zelenyi Pid village, Kakhovskyi district, Kherson region, 74853, Ukraine.

Latest expected delivery date:

Items should be delivered and installed no later than **31 December 2020**. Shorter delivery terms will be an advantage.

Additional requirements:

- The price of the goods must include the cost of installation and delivery of all goods to the above mentioned address;
- The warranty period for the equipment should be not less than 12 months after installation;
- Equipment must have official warranty service centres in Ukraine;
- Supplier/s must provide after-sale services.

Quality assurance and acceptance:

Joint quality assurance team of UNDP (Regional Development Programme Manager) and representatives of the Zolotobalkivska, Novooleksandrivska, Mykhailivska village councils in Novovorontsovskyi district and two medical and obstetric stations in Zelenopidska ATH in Kherson region of Ukraine should accept the installed equipment. Acceptance acts to be signed by both UNDP and Supplier upon quality assurance team confirmation.

Requirements to the organization/company

- Duly registered company/organization
- At least 3 years of experience in the supply of similar products
- Full acceptance of UNDP General Terms and Conditions
- At least 2 positive references from previous clients in the past 2 years.

Payment terms

- Upon delivery, installation and acceptance of items by UNDP team;
- Delivery in several stages may be considered in terms of established deadline upon confirmation by UNDP, payments linked to delivered goods cost.

Technical Specification

System for selective control of physiological parameters, for home use (equipment for the provision of medical services using telemedicine)

Goods delivery quantity - 5 sets of equipment for the provision of medical services using telemedicine;

General medical and technical requirements:

1. The equipment must be new, not used before, of the model produced not earlier than 2019, and not used as a demonstration sample (please provide a ***warranty letter).***

2. The equipment has to be put into operation in accordance with the legislation on the technical regulation and conformity assessment and in the manner prescribed by law.

2.1. **With the purpose of confirming the procurement subject compliance with regulatory and technical documentation and technical and qualitative properties, the bidder shall provide the following information within the scope of the bid**:

- With the purpose of confirming the goods introduction into circulation in accordance with the legislation on the technical regulation and conformity assessment and in the manner prescribed by law, the bidder shall provide:

a) a declaration copy or a copy of the documents confirming the possibility of putting into circulation and/or into operation (usage) of the medical device based on results of the conformity assessment procedure in accordance with the requirements of the technical regulations, **or,**

b) a warranty letter confirming that a declaration copy or a copy of documents will be provided at the time of goods delivery, which confirms the possibility of putting into circulation and/or operation (usage) of the medical device based on results of the conformity assessment procedure in accordance with the requirements of the technical regulations at the time of goods delivery, **or**

c) if the bidder offers medical devices that have undergone state registration, are registered in the State Register of Medical Equipment and Medical Devices and approved for use in the territory of Ukraine and were put into circulation before the date of mandatory application of technical regulations, then it is allowed to offer such devices until the end their shelf life and not more than five years from the date of putting them into circulation, without undergoing the conformity assessment procedure and without marking with the national conformity sign, **or**

d) if the Technical Regulations for Medical Devices do not apply to the offered equipment, the bidder shall provide a ***written explanation*** stating the reasons for skipping a conformity assessment procedure in accordance with the requirements of the Technical Regulations for Medical Devices.

- Copies of instructions for use or technical passports and brochures.

- Documents confirming the availability of the Cloud Service and related software, or authorization to use them in its economic activity (dealer or license agreements, etc., with enclosing documents confirming this).

- Documents confirming that the bidder is a manufacturer of the equipment or a manufacturer's dealer or supplier (a contract with the manufacturer, or a power of attorney from the manufacturer, or a dealer's certificate etc., or an authorization/warranty letter from the manufacturer or an authorized representative (or dealer) warranting that the bidder has the possibility to deliver goods, which are the subject of procurement, in the amount and within the time specified in the tender documents and the bidder's offer with enclosing the relevant authorization documents, which attest the status of the dealer or the authorized representative).

3. Warranty period for the equipment – not less than 12 months.

4. Mandatory availability of technical personnel in Ukraine, who is trained and certified by the manufacturer for installation, warranty and post-warranty equipment maintenance (***please provide a copy of the engineer's certificate***).

5. Equipment connection to the Cloud Service and equipment delivery should be carried out at the expense of the supplier.

6. The equipment shall jointly form a single complex and perform the following functions, a set of equipment for the provision of medical services using telemedicine:

- Electrocardiographic examination
- Blood pressure measurement
- Heart rate measurement
- Blood oxygenation measurement
- Body temperature measurement
- Spirometery
- General examination of the patient with the possibility of obtaining digital images.

7. The equipment must have a digital interface for inputting the examination data received from a patient.

8. The weight of one set of equipment shall not exceed 6 kg.

9. Each set shall have a multiple-use transport suitcase.

10. The subject of procurement shall meet the following medical and technical

specifications (**please provide information on the following**):

Medical and technical specification of a set of equipment for the provision of medical services using telemedicine	**Compliance with the requirements (Yes / No) Indicator**	**Reference to an item (a page) in the instructions for use or other authorized technical documentation of the goods manufacturer, or other authorized documents.**
I. General requirements		
The portable telemedicine diagnostic tool kit shall provide diagnostics of the patient's functions (receiving, storing and transmitting information about the physiological measurements of the patient's body)		
The portable telemedicine diagnostic tool kit shall contain specialized applications and form a software and hardware appliance (SHA).		
SHA shall ensure the receipt and transmission of diagnostic information for telemedicine consultations		
SHA shall provide the possibility to be used both in the healthcare facility and at the patient's home		
SHA shall provide both online and offline operation modes with automatic data downloading after re-establishing the internet connection.		
Examinations can be performed by junior medical staff, a physician assistant or a family doctor.		
SHA shall measure the physiological parameters of the patient's body during the examination		
SHA equipment shall have a self-contained power supply (batteries or accumulators) or power supply option from a USB port		
II. SHA Functions		
1. ECG recording		
Requirements for ECG recording and displaying:		
ECG registration - 12 channels, availability.		
Manual ECG recording mode, availability.		
Heart rate mode, availability		
ECG lead system: standard and amplified (I, II, III, aVR, aVL, aVF and V1, V2, V3, V4, V5, V6), availability		
ECG displaying on the monitor of the main SHA module, availability		

Simultaneous ECG channels displaying on the monitor, not less than 12 leads (I, II, III, aVR, aVL, aVF and V1, V2, V3, V4, V5, V6), availability		
Sensitivity, not less than 10 mm/mV		
Automatic detection of electrode wiring up, availability		
ECG viewing before recording, availability		
ECG recording time, not less than 10 s, availability		
Heart rate measurement, availability		
2. Blood pressure measurement		
Blood pressure measurement, availability		
Measurement method - oscillometric, compliance		
Measurement mode: adults, children, new-borns		
Pressure measuring range, at least:		
Adults • Systolic: 40 to 260 mm Hg • Medium: 26 to 220 mm Hg • Diastolic: 20 to 200 mm Hg		
Children • Systolic: 40 to 230 mm Hg • Medium: 26 to 183 mm Hg • Diastolic: 20 to 160 mm Hg		
New-borns • Systolic: 40 to 130 mm Hg • Medium: 26 to 110 mm Hg • Diastolic: 20 to 100 mm Hg		
Absolute error range when measuring pressure, not more than ±5 mm Hg.		
Leakage testing function, availability		
3. Heart rate measurement		
The range for heart rate measurement is not less than 30 to 220 beats per minute, compliance		
Finger pulse oximeter, compliance		
Error in the range of 30 - 245 beats per minute, not more than: ± 2 beats per minute or 3 units		
Used for - adults, children, availability.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		
4. Non-invasive measurement of the oxygenation level of capillary blood		
Measurement of capillary blood oxygenation, availability		
Finger pulse oximeter, compliance		
The range for blood oxygenation measurement is not less than 35 ~ 100%		

Error, not more than: 70% ~ 100%: ± 2%		
Used for - adults, children, availability.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		
5. Non-contact temperature measurement (thermometry)		
Body temperature measurement by non-contact method, availability.		
Measurement modes: body / object temperature, availability.		
Colour display of normal (green light) and elevated (red light) temperature, availability.		
Measuring range, not less than 34-42 ℃		
Resolution, not less than 0.1 ℃		
Error range of 35 - 42 ℃, not more than ± 0.2 ℃		
Auto power-off, availability		
Interoperability with tablet SHA for measurement data transfer via USB, Bluetooth or manually, availability		
6. Pulmonary function test (spirometry)		
Requirements for basic parameters:		
Maximum volume: not less than 10 lts.		
Flow range: not less than 0 lts/s ~ 14 lts/s		
Volume accuracy: not less than ± 3% or 0.05 lts (whichever is greater)		
Flow accuracy: not less than ± 5% or 0.2 lts/s (whichever is greater)		
Examined parameters:		
Forced vital lung capacity, FVC, lts, availability		
Peak expiratory flow rate, PEF, lts/s, availability		
Forced exhalation volume for 1 second, FEV1, lts, availability		
FEV1%: the ratio of FEV1 and FVC,%, availability		
Parameters graphs drawing based on examination results, availability		
Other requirements for the device:		
Function graphs display, availability		
Data processing: saving, deleting, downloading and viewing, possibility.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		
7. General examination of the patient with the possibility of obtaining digital images using a digital camera		
General examination of the patient with the possibility of obtaining digital images (e.g., limbs, body parts, etc.), compliance.		

Camera with a function that allows viewing a patient and any signs/symptoms of the patient's disease (e.g., skin lesions, rashes, wounds, etc.), availability		
Photo recording, availability		
Video recording, availability		
Camera type: built-in or external with connection to the main SHA module or tablet PC or PC, compliance		
Connection interface - USB and/or Wi-Fi (for external camera), possibility		
III. main SHA module		
main SHA module provides:		
– Measurement of patients' vital signs, availability		
– Online transmission of received data, availability		
– Specialized software, availability		
– ECG recording, availability		
– Blood pressure measurement, availability		
– Measurement of capillary blood oxygenation, availability		
– Obtaining all measured parameters of patient functions from SHA standard and external diagnostic devices (ECG, blood pressure, pulse rate, blood oxygen saturation, temperature, spirometry data, dermatoscopy data, etc.), availability.		
– Connection of standard and external diagnostic devices (non-contact infrared thermometer, spirometer, dermatoscope, etc.) via USB or Bluetooth or Wi-Fi, availability		
– Connect external USB or Wi-Fi imaging devices (digital cameras, scanning systems such as dermatoscopes), availability.		
– Display of all measured examination data (ECG, blood pressure, pulse rate, blood oxygenation, body temperature, respiratory function, dermatoscopy, images from a common digital examination camera) on the monitor of the main SHA module, availability.		
– The main SHA module shall provide analysis of the received data in situ with abnormality indication: ECG (ECG analysis in the Cloud Service), blood pressure, blood oxygenation, pulse rate, body temperature, availability.		
– Photographing the patient or the necessary parts of the body, etc., availability.		
– Audio recording, availability		
– I/O terminals connection (external monitor, keyboard, mouse), possibility.		

– Examination data display on an external monitor using a high-definition interface, availability.		
– Availability of external I/O ports: LAN, audio, USB2.0 (3 pcs.)		
– Measuring ports availability: ECG port, SpO2 port, BP measuring port		
Operating mode of the main SHA module: • Standalone, battery power supply, availability. • Power mains supply 220V, 50Hz, battery charging, availability.		
Requirements for the working environment:		
Temperature: not less than + 5℃ ~ + 40℃		
Relative humidity: not less than ≤ 75%		
Barometric pressure: not less than 525 mm Hg ~ 757 mmHg		
Requirements for power supply:		
Power supply: 110-220V, 50Hz.		
Power consumption: no more than 60W		
Power adapter: 5-12 V DC, availability		
Requirements for display:		
The size of the monitor of the main SHA module, not less than 10 inches		
Colour LCD touch screen, availability		
Manual input of information to the SHA via the touch screen of the main module without the use of a keyboard, possibility		
Overall dimensions:		
Length x width x thickness, mm, no more than: 280x230x80		
IV. Software requirements for the main SHA module		
The availability of the operating system that ensures SHA operation.		
Support for Bluetooth interfacing protocol, compliance.		
Creating a patient's examination record, availability		
A unique number shall be assigned to each examination, availability		
Patient data input: o Patient (any identifier) o Date of birth or number of full years or months if the patient is less than 1 year old o Height (in centimetres) o Weight (in kilograms) o Sex		
Selection of a sort or a type of measurements for a patient to be performed, by type of device, availability		
Measurement results storage in the local information storage of the SHA software, availability.		

Examination information storage in the local storage of the main module (examination number, patient data, examination results)		
Examination and measurements results storage in the local storage of the main SHA module until they are transferred to the cloud storage		
SHA authorization in the cloud storage of examination information for further interoperation.		
Transfer of information from the local information storage of the main SHA module to the cloud storage		
Transfer of information to the local storage on the main SHA module is performed after each saving of the examination results or by the operator command, provided that the SHA is connected to the Internet		
Printing a paper form based on the results of the examination with the possibility of adding a doctor's opinion after printing the form		
Requirements for the transfer of examination information to the data storage		
The software and hardware appliance shall ensure the transfer of the obtained examination data to the cloud storage.		
The examination data shall be transmitted using the following Internet communication methods: LAN, Wi-Fi, or 3G / LTE connectivity.		
SHA shall ensure the data transfer (indicating the unique study number) to the cloud storage only when the authorization from the cloud storage is confirmed.		
V. Availability of informational and technical support for SHA		
Provision with equipment instructions for use (operation manuals) in Ukrainian		
Informational and technical support (a warranty) for not less than 12 months		
Requirements for a cloud storage:		
Ensuring SHA authorization		
Blocking the data transfer to the data storage in case of unsuccessful SHA authorization		
Data storage in the cloud storage, availability		
Possibility to doctors and patients to access examinations and measurements results through a web browser after their authorization		
Possibility for a cloud service to interact with medical information systems or a telemedicine network.		
Possibility to transfer the examination results to the medical information system or electronic medical card.		

* This equipment requires professional installation by the supplier.

Annex 2

FORM FOR SUBMITTING SUPPLIER'S QUOTATION[5]

(This Form must be submitted only using the Supplier's Official Letterhead/Stationery[6])

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 Reference No. RFQ UKR/2020/785:

TABLE 1 : BRIEF COMPANY PROFILE

BRIEF COMPANY PROFILE The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of UNDP by indicating the following :	
Full registration name	
Year of foundation	
Legal status	
Legal address	
Actual address	
Bank information	
VAT payer status	
Contact person name	
Contact person email	
Contact person phone	
Company's core activities	
Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations (If any);	Please indicate here
Business Licenses – Registration Papers, Tax Payment Certification, etc	EDRPOU, ID tax number Copies of State registration and Tax registration should be attached
Certificates and Accreditation	Please indicate here applicable including Quality Certificates, Patent Registrations, Environmental Sustainability Certificates, etc.

[5] *This 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*

Please provide contact details of at least 3 previous partners for reference	Please attach the signed reference letters (if any).
Company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.	Please confirm (Answers: Yes, we are in the list/No, we are not in the list)

TABLE 2 : Conformity to the specification

Medical and technical specification of a set of equipment for the provision of medical services using telemedicine	**Compliance with the requirements (Yes / No) Indicator**	**Reference to an item (a page) in the instructions for use or other authorized technical documentation of the goods manufacturer, or other authorized documents.**
I. General requirements		
The portable telemedicine diagnostic tool kit shall provide diagnostics of the patient's functions (receiving, storing and transmitting information about the physiological measurements of the patient's body)		
The portable telemedicine diagnostic tool kit shall contain specialized applications and form a software and hardware appliance (SHA).		
SHA shall ensure the receipt and transmission of diagnostic information for telemedicine consultations		
SHA shall provide the possibility to be used both in the healthcare facility and at the patient's home		
SHA shall provide both online and offline operation modes with automatic data downloading after re-establishing the internet connection.		
Examinations can be performed by junior medical staff, a physician assistant or a family doctor.		
SHA shall measure the physiological parameters of the patient's body during the examination		
SHA equipment shall have a self-contained power supply (batteries or accumulators) or power supply option from a USB port		
II. SHA Functions		
8. ECG recording		
Requirements for ECG recording and displaying:		
ECG registration - 12 channels, availability.		
Manual ECG recording mode, availability.		

Heart rate mode, availability		
ECG lead system: standard and amplified (I, II, III, aVR, aVL, aVF and V1, V2, V3, V4, V5, V6), availability		
ECG displaying on the monitor of the main SHA module, availability		
Simultaneous ECG channels displaying on the monitor, not less than 12 leads (I, II, III, aVR, aVL, aVF and V1, V2, V3, V4, V5, V6), availability		
Sensitivity, not less than 10 mm/mV		
Automatic detection of electrode wiring up, availability		
ECG viewing before recording, availability		
ECG recording time, not less than 10 s, availability		
Heart rate measurement, availability		
9. Blood pressure measurement		
Blood pressure measurement, availability		
Measurement method - oscillometric, compliance		
Measurement mode: adults, children, new-borns		
Pressure measuring range, at least:		
Adults • Systolic: 40 to 260 mm Hg • Medium: 26 to 220 mm Hg • Diastolic: 20 to 200 mm Hg		
Children • Systolic: 40 to 230 mm Hg • Medium: 26 to 183 mm Hg • Diastolic: 20 to 160 mm Hg		
New-borns • Systolic: 40 to 130 mm Hg • Medium: 26 to 110 mm Hg • Diastolic: 20 to 100 mm Hg		
Absolute error range when measuring pressure, not more than ±5 mm Hg.		
Leakage testing function, availability		
10. Heart rate measurement		
The range for heart rate measurement is not less than 30 to 220 beats per minute, compliance		
Finger pulse oximeter, compliance		
Error in the range of 30 - 245 beats per minute, not more than: ± 2 beats per minute or 3 units		
Used for - adults, children, availability.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		
11. Non-invasive measurement of the oxygenation level of capillary blood		

Measurement of capillary blood oxygenation, availability		
Finger pulse oximeter, compliance		
The range for blood oxygenation measurement is not less than 35 ~ 100%		
Error, not more than: 70% ~ 100%: ± 2%		
Used for - adults, children, availability.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		
12. Non-contact temperature measurement (thermometry)		
Body temperature measurement by non-contact method, availability.		
Measurement modes: body / object temperature, availability.		
Colour display of normal (green light) and elevated (red light) temperature, availability.		
Measuring range, not less than 34-42 ℃		
Resolution, not less than 0.1 ℃		
Error range of 35 - 42 ℃, not more than ± 0.2 ℃		
Auto power-off, availability		
Interoperability with tablet SHA for measurement data transfer via USB, Bluetooth or manually, availability		
13. Pulmonary function test (spirometry)		
Requirements for basic parameters:		
Maximum volume: not less than 10 lts.		
Flow range: not less than 0 lts/s ~ 14 lts/s		
Volume accuracy: not less than ± 3% or 0.05 lts (whichever is greater)		
Flow accuracy: not less than ± 5% or 0.2 lts/s (whichever is greater)		
Examined parameters:		
Forced vital lung capacity, FVC, lts, availability		
Peak expiratory flow rate, PEF, lts/s, availability		
Forced exhalation volume for 1 second, FEV1, lts, availability		
FEV1%: the ratio of FEV1 and FVC,%, availability		
Parameters graphs drawing based on examination results, availability		
Other requirements for the device:		
Function graphs display, availability		
Data processing: saving, deleting, downloading and viewing, possibility.		
Interoperability with SHA workstation for transmission of measurement data via wired or wireless interfaces, availability		

14. General examination of the patient with the possibility of obtaining digital images using a digital camera		
General examination of the patient with the possibility of obtaining digital images (e.g., limbs, body parts, etc.), compliance.		
Camera with a function that allows viewing a patient and any signs/symptoms of the patient's disease (e.g., skin lesions, rashes, wounds, etc.), availability		
Photo recording, availability		
Video recording, availability		
Camera type: built-in or external with connection to the main SHA module or tablet PC or PC, compliance		
Connection interface - USB and/or Wi-Fi (for external camera), possibility		
III. main SHA module		
main SHA module provides:		
– Measurement of patients' vital signs, availability		
– Online transmission of received data, availability		
– Specialized software, availability		
– ECG recording, availability		
– Blood pressure measurement, availability		
– Measurement of capillary blood oxygenation, availability		
– Obtaining all measured parameters of patient functions from SHA standard and external diagnostic devices (ECG, blood pressure, pulse rate, blood oxygen saturation, temperature, spirometry data, dermatoscopy data, etc.), availability.		
– Connection of standard and external diagnostic devices (non-contact infrared thermometer, spirometer, dermatoscope, etc.) via USB or Bluetooth or Wi-Fi, availability		
– Connect external USB or Wi-Fi imaging devices (digital cameras, scanning systems such as dermatoscopes), availability.		
– Display of all measured examination data (ECG, blood pressure, pulse rate, blood oxygenation, body temperature, respiratory function, dermatoscopy, images from a common digital examination camera) on the monitor of the main SHA module, availability.		
– The main SHA module shall provide analysis of the received data in situ with abnormality indication: ECG (ECG analysis in the Cloud Service), blood pressure,		

blood oxygenation, pulse rate, body temperature, availability.		
– Photographing the patient or the necessary parts of the body, etc., availability.		
– Audio recording, availability		
– I/O terminals connection (external monitor, keyboard, mouse), possibility.		
– Examination data display on an external monitor using a high-definition interface, availability.		
– Availability of external I/O ports: LAN, audio, USB2.0 (3 pcs.)		
– Measuring ports availability: ECG port, SpO2 port, BP measuring port		
Operating mode of the main SHA module: • Standalone, battery power supply, availability. • Power mains supply 220V, 50Hz, battery charging, availability.		
Requirements for the working environment:		
Temperature: not less than + 5℃ ~ + 40℃		
Relative humidity: not less than ≤ 75%		
Barometric pressure: not less than 525 mm Hg ~ 757 mmHg		
Requirements for power supply:		
Power supply: 110-220V, 50Hz.		
Power consumption: no more than 60W		
Power adapter: 5-12 V DC, availability		
Requirements for display:		
The size of the monitor of the main SHA module, not less than 10 inches		
Colour LCD touch screen, availability		
Manual input of information to the SHA via the touch screen of the main module without the use of a keyboard, possibility		
Overall dimensions:		
Length x width x thickness, mm, no more than: 280x230x80		
IV. Software requirements for the main SHA module		
The availability of the operating system that ensures SHA operation.		
Support for Bluetooth interfacing protocol, compliance.		
Creating a patient's examination record, availability		
A unique number shall be assigned to each examination, availability		
Patient data input: o Patient (any identifier) o Date of birth or number of full years or months if the patient is less than 1 year old o Height (in centimetres)		

○ Weight (in kilograms) ○ Sex		
Selection of a sort or a type of measurements for a patient to be performed, by type of device, availability		
Measurement results storage in the local information storage of the SHA software, availability.		
Examination information storage in the local storage of the main module (examination number, patient data, examination results)		
Examination and measurements results storage in the local storage of the main SHA module until they are transferred to the cloud storage		
SHA authorization in the cloud storage of examination information for further interoperation.		
Transfer of information from the local information storage of the main SHA module to the cloud storage		
Transfer of information to the local storage on the main SHA module is performed after each saving of the examination results or by the operator command, provided that the SHA is connected to the Internet		
Printing a paper form based on the results of the examination with the possibility of adding a doctor's opinion after printing the form		
Requirements for the transfer of examination information to the data storage		
The software and hardware appliance shall ensure the transfer of the obtained examination data to the cloud storage.		
The examination data shall be transmitted using the following Internet communication methods: LAN, Wi-Fi, or 3G / LTE connectivity.		
SHA shall ensure the data transfer (indicating the unique study number) to the cloud storage only when the authorization from the cloud storage is confirmed.		
V. Availability of informational and technical support for SHA		
Provision with equipment instructions for use (operation manuals) in Ukrainian		
Informational and technical support (a warranty) for not less than 12 months		
Requirements for a cloud storage:		
Ensuring SHA authorization		
Blocking the data transfer to the data storage in case of unsuccessful SHA authorization		
Data storage in the cloud storage, availability		
Possibility to doctors and patients to access examinations and measurements results through a web browser after their authorization		

Possibility for a cloud service to interact with medical information systems or a telemedicine network.		
Possibility to transfer the examination results to the medical information system or electronic medical card.		

TABLE 3 : Price offer

Currency - _____

Item No.	Description/Specification of Goods (please specify model)	Quantity	Latest Delivery Date	Unit Price, *Currency* (excl. VAT)	Total Price per Item, *Currency* (excl. VAT)
1		5			
	Add : Cost of Transportation/other (DAP, address as indicated above)				
	Total Prices of Goods excl. VAT				
	VAT (if applicable)				
	Total Final and All-Inclusive Price Quotation				

TABLE 4 : Offer to Comply with Other Conditions and Related Requirements

Other Information pertaining to our Quotation are as follows :	**Your Responses**		
	Yes, we will comply	***No, we cannot comply***	***If you cannot comply, pls. indicate counter proposal***
Delivery time (not later than 31 December 2020)			
Manufacture country			
Warranty and After-Sales Requirements			
a) Not less than 1 year official manufacturer warranty			
b) Installation			
c) Official warranty service centers in Ukraine			
d) After-sale services			
Equipment model has the appropriate certification and has the right to be used the territory of Ukraine			
Validity of Quotation (min. 60 days)			
All Provisions of the UNDP General Terms and Conditions. http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html			

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]