**Section II: Schedule of Requirements**

E-Sourcing reference: RFQ/2023/46872

1. **Summary of Requirements for Neurosurgery operating video system with optical magnification and fluorescent modules**

UNOPS requirements are comprised of the following:

**Neurosurgery operating video system with optical magnification and fluorescent modules – 1 Unit.**

1. **Technical specifications for Goods**

| **N** | **UNOPS minimum technical requirements** | **Is quotation compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete | |
| --- | --- | --- | --- | --- |
|  | **Neurosurgery Operating Video System with optical magnification and fluorescent modules** | ☐ Yes ☐ No | Insert details | |
| **1** | **Neurosurgery microscope, or orbital camera system for conducting surgical microscopy with 4K 3D camera mounted on a flexible semi robotic arm** | ☐ Yes ☐ No |  | |
| **2** | **Stereo base - not less than 22 mm or 4K 3D Orbital Camera System** | ☐ Yes ☐ No |  | |
| **3** | **Total magnification of a microscope with 10x eyepieces – in range from 1.4x to no less than 12x / or 1.4x to no less than 14x, or camera with 26 x magnification lens in 4K resolution** | ☐ Yes ☐ No |  | |
| **4** | **Working distance, varies smoothly in the range:** | ☐ Yes ☐ No |  | |
| 4.1 | Bottom range - no more than 225 mm | ☐ Yes ☐ No |  | |
| 4.2 | Upper range - not less than 500 mm | ☐ Yes ☐ No |  | |
| **5** | **Adjustable eyepieces with a magnification of at least 10x - 6 pcs., or eyepiece free system with 4K resolution camera** | ☐ Yes ☐ No |  | |
| **6** | **Possibility of dioptres correction of eyepieces in minimum range from -5 dioptres up to +5 dioptres for devices with binocular tubes, or eyepiece free system with 4K resolution camera** | ☐ Yes ☐ No |  | |
| **7** | **Focusing - motorised and manual** | ☐ Yes ☐ No |  | |
| **8** | **Surgeon's binocular tube, or binocular free system with 4K 3D camera mounted on a flexible semi-robotic arm** | ☐ Yes ☐ No |  | |
| **9** | **Adjustable tilt angle of the surgeon's binocular tube in minimum range - from 50° to at least 100°, or 360° angle of 4K 3D camera mounted on a flexible semi-robotic arm** | ☐ Yes ☐ No |  | |
| **10** | **Stereo attachment for binocular assistant tube side (main doctor and two assistant), or video system with 4K 3D camera and Screen 4K 3D Visualization with 6 pcs of 3D glasses** | ☐ Yes ☐ No |  | |
| **11** | **Adjustable angle of inclination of the binocular assistant tube on the side in the range - in minimum range from 50° to at least 100°, or 360° angle of 4K 3D camera mounted on a flexible semi-robotic arm and binocular free system** | ☐ Yes ☐ No |  | |
| **12** | **Opposite assistant tube for the 2nd surgeon’s assistant, or video system with 4K 3D camera and Screen 4K 3D Visualisation** | ☐ Yes ☐ No |  | |
| **13** | **Illumination** | ☐ Yes ☐ No |  | |
| 13.1 | Main light source - not less than 300 W xenon lamp or LED light source integrated in 4K 3D camera | ☐ Yes ☐ No |  | |
| 13.2 | Emergency light source - not less than 300 W xenon lamp or system with LED light source integrated in 4K 3D camera | ☐ Yes ☐ No |  | |
| 13.3 | Setting the diameter of the light field: automatic and manual | ☐ Yes ☐ No |  | |
| 13.4 | Built-in automatic system for synchronising the diameter of the light field with the magnification level with manual adjustment and reset function, or LED light video system | ☐ Yes ☐ No |  | |
| 13.5 | Built-in automatic system for synchronising light intensity with working distance | ☐ Yes ☐ No |  | |
| 13.6 | Ability to connect navigation stations | ☐ Yes ☐ No |  | |
| 13.7 | Fluorescent and picture Modules - not less than 3 | ☐ Yes ☐ No |  | |
| 13.8 | Fluorescence angiography module for vascular imaging when the patient receives the Indocyanine Green INN drug in the IR spectrum | ☐ Yes ☐ No |  | |
| 13.9 | Fluorescence neurooncology module using a 5-ALA photosensitizer | ☐ Yes ☐ No |  | |
| 13.10 | Fluorescence module for imaging fluorescein with a wavelength of 560 nm, or 4K 3D video system with NBI – Narrow Band Imaging Mode | ☐ Yes ☐ No |  | |
| 13.11 | Possibility to turn on the fluorescence mode on the microscope or camera handle | ☐ Yes ☐ No |  | |
| **14** | **Type of base of device – microscope with counterweight, floor mounted, mobile with electromagnetic brakes, or device on mobile trolley with built-in video processor, 4 wheels with brakes, 4K 3D camera mounted on a flexible semi-robotic arm** | ☐ Yes ☐ No |  | |
| **15** | **Control unit - a touch screen integrated into the base of microscope with a reflection of the settings** | ☐ Yes ☐ No |  | |
| **16** | **Balancing the column base and microscope holder - automatic, with manual adjustment function, or device with flexible semi-robotic arm with manual adjustment of camera lens** | ☐ Yes ☐ No |  | |
| **17** | **Wireless microscope control pedal with multiple functions** | ☐ Yes ☐ No |  | |
| **18** | **The extension height of microscope objective - not less than -1800 mm, or 4K 3D camera mounted on a flexible semi-robotic arm with minimum height 2,200mm** | ☐ Yes ☐ No |  | |
| **19** | **Range of vertical movement of the microscope or camera head - not less than 1000 mm** | ☐ Yes ☐ No |  | |
| **20** | **Microscope or camera Lateral Tilt Range - not less than 90°** | ☐ Yes ☐ No |  | |
| **21** | **Sterile draping cover – 100 pcs** | ☐ Yes ☐ No |  | |
| **22** | **Video system** | ☐ Yes ☐ No |  | |
| 22.1 | Integrated into a column base or 4K 3D display on a separate monitor stand | ☐ Yes ☐ No |  | |
| 22.2 | Mounting the LCD or HD on a microscope column base using the remote bracket, or separate monitor movable stand | ☐ Yes ☐ No |  | |
| 22.3 | Registration of photos and videos on the built-in hard drives, or by 4K video recorder as a separate unit | ☐ Yes ☐ No |  | |
| 22.4 | High Resolution Touch Medical Monitor or 4K medical monitor | ☐ Yes ☐ No |  | |
| 22.5 | Diagonal touch medical monitor - not less than 21,5 inches or 4K 3D medical monitor with minimum 55 inch | ☐ Yes ☐ No |  | |
| **23** | **General requirements and related services** | ☐ Yes ☐ No |  | |
| 23.1 | Bidder must confirm unloading all goods within a Lot at final place of destination (must be done on the day of delivery of the equipment) | ☐ Yes ☐ No |  | |
| 23.2 | The equipment should have certificate of registration for use of goods within the territory of Ukraine according to the current Ukrainian legislation including the Certificate of state registration | ☐ Yes ☐ No |  | |
| 23.3 | Bidder which does not manufacture or produce the Goods it offers to supply, shall submit the Manufacturer’s Authorization to demonstrate that it has been duly authorised by the manufacturer or producer of the Goods to supply these Goods in the country of destination | ☐ Yes ☐ No |  | |
| 23.4 | Commissioning works on putting equipment into operation must be done within 14 calendar days after the delivery of the equipment | ☐ Yes ☐ No |  | |
| 23.5 | Manufacturer’s standards. All offered equipment has to be manufactured by ISO 9001:2015 and ISO 13485:2016 certified manufacturers. Copies of the original certifications, issued by authorised notified bodies, shall be included in the bid | ☐ Yes ☐ No |  | |
| 23.6 | Medical equipment standards. All offered medical equipment, tools and consumables shall be in possession of European conformity marking (CE Mark), according to 93/42/EEC directive or 98/79/EC, or FDA approval or compliance to other internationally recognized medical devices regulatory systems. Bidders shall ensure conformity of the equipment with all applicable Ukrainian regulations. | ☐ Yes ☐ No |  | |
| 23.7 | The period of validity of the Warranty. The warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination. The Warranty should include preventive maintenance, replacement of defective parts/equipment, repair of equipment, labour for equipment repair and/or parts replacement. | ☐ Yes ☐ No |  | |
| 23.8 | Warranty service. Within the warranty period, the Supplier or its authorised service centre shall provide maintenance and/or repair services to the equipment operation site/ or provide replacement device not later than 5 (five) workdays from the date of receipt of written or E-mail notification from an authorised party. The name of the company, address, telephone- and fax numbers, e-mail address must be mentioned in the bid. The service centre shall have at least one certified engineer in its staff. All costs connected with warranty maintenance are covered by the Supplier. | ☐ Yes ☐ No |  | |
| 23.9 | Technical documentation for maintenance and repair of the supplied goods. For each offered item, the Bidder shall provide the technical documentation for performing maintenance and operating repair of the supplied Goods by the technical staff of the Consignee and/or end-users. Such documentation shall include all necessary electrical diagrams, drawings, technical specifications of the devices and their parts, troubleshooting information, safety instructions, etc. that will allow the technical staff of the Consignee and/or end-users to conduct maintenance and operating repair in strict compliance with Goods specifications. The minimum set of technical documents to be provided with each piece of equipment delivered is the following: 1) User Manual and Operating Instructions (in Ukrainian or Russian); 2) Technical Certificate / maintenance guidelines (in Ukrainian or Russian and English) | ☐ Yes ☐ No |  | |
| 23.10 | The Bidder is required to confirm the list and contents of documentation to be provided together with the Goods at the delivery. | ☐ Yes ☐ No |  | |
| **24** | **Training** | ☐ Yes ☐ No |  | |
| 24.1 | The Bidder must organise appropriate user training in Ukrainian language for effective and problem-free use of the equipment included in this tender at the location of delivery. | ☐ Yes ☐ No |  | |
| 24.2 | A training proposal for the operation of the equipment must be submitted by the Bidder together with tender documents. | ☐ Yes ☐ No |  | |
| 24.3 | This proposal shall include at least: •Schedule and duration •Description of training materials | ☐ Yes ☐ No |  | |
| **25** | **Bid includes total gross weight of the goods in kg and total volume in m3.** | ☐ Yes ☐ No |  | |
| **26** | **Bid includes brand/model of the equipment and manufacturer's technical literature/catalogue, all confirming that the offered items comply with required specifications.** | ☐ Yes ☐ No | Please indicate brand and model | |

**C. Delivery requirements and Comparative Data Table**

| **UNOPS Requirements** | | **Is bid compliant?** Bidder to complete | **Details**  Bidder to complete |
| --- | --- | --- | --- |
| **Delivery time** | Bidder shall deliver the goods within **120 calendar days** after Contract signature. Bidder shall provide commissioning of the equipment and training within **14 calendar days** after delivery of the equipment | ☐ Yes ☐ No | Insert details |
| **Delivery place and Incoterms rules** | DAP customs cleared Odesa, Ukraine  or  DAP customs cleared Kyiv, Ukraine  Tax exemption documents will be provided to the successful Bidder. | ☐ Yes ☐ No |  |
| **Consignee details** | The Military Medical Clinical Centre of the Southern Region, Odesa  or  The National Military Medical Clinical Centre “Main Military Clinical Hospital”,  Kyiv | ☐ Yes ☐ No |  |
| **Warranty** | The Bidder shall remain liable for the packing and consistency of the items supplied for the period of shipment and acceptance for use. Any items found unacceptable shall be returned and changed at no costs to UNOPS. | ☐ Yes ☐ No |  |
| **Packing standards** | The Bidder shall ensure the best international packing standards of goods supplied, including use of eco-friendly packing materials. | ☐ Yes ☐ No |  |

**D. Inspections and tests**

The following inspections and tests shall be performed:

(i) The Supplier shall perform all needed tests before the shipment to confirm that the goods meet the Purchaser requirements. Documented confirmation of such tests has to be sent to the Purchaser before the shipment;

(ii) The Purchaser will check the availability of Compliance Certificates issued for equipment supplied;

(ііі) The Supplier shall demonstrate that the software has been properly installed on all corresponding equipment;

(іv) The Purchaser (with the assistance of the Supplier) will check the functionality/operability and the compliance of main characteristics of all items of equipment with Technical Requirements. If the consumables should be used for equipment checking (reagents for rapid-response analysers, etc.) - they must be provided by the cost of the Supplier.

UNOPS or its representative may inspect and/or test any or all items of the goods to confirm their conformity to the contract, prior to dispatch from the supplier’s premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination.

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser.