

iHERITAGE Project

A Project funded by the European Union under the ENI CBC MED Programme

Tender for the delivery of equipment and software for ICT and digital holography

Partner PP04 in this project, The Jordanian Society for Scientific Research, Entrepreneurship and Creativity (JSSREC) aims at purchasing the items listed below and under the following conditions:

- 1- Offer must be valid for at least two months of your date of submission. Final Approval by donor of the project (EU) must be secured before we purchase.
- 2- Deadline for presenting offers will be at 5 pm Amman Time on February 15th 2021
- 3- Delivery must be within two weeks to a month after placement of order
- 4- Payment in full will be made upon delivery and testing of goods at the premises of the Society. Payment method should be included.
- 5- Partial offer of items will be acceptable although it is preferable that you offer all equipment if possible
- 6- The items below will be exempt from taxes and fees including sales taxes and custom duty.
- 7- If you do not have an agent in Jordan you will need to get in touch with our PC provider so you can agree with them to offer us maintenance and service as needed. (You will agree with them on their fee which will be paid once by you to cover a thirty month period from delivery).
- 8- Insurance against damage and malfunction of equipment during shipping must be included, thus allowing return and/or replacement must be included in offer.

List of items:

- 1- High end Gaming 64 bit PC suitable for heavy 3D scene and 3D video production and manipulation based on structure from motion and photogrammetric applications. Speed, stable and uninterrupted operation of long calculations and display is of the essence. Windows latest plus Microsoft Office (please not 365) PDF writer and reader not necessarily Adobe Acrobat Pro, but open source applications, and antimalware, antivirus etc.. The following features and items could be indicative but better performance and better value for money suggestions will be acceptable. All items must match each other and together give the best possible performance. It is also advisable to give several options for each item with comparison charts for their performance so we can match our choices to the budget allocations.
 - a- 64 bit Motherboard advanced similar or better than ASUS ROG Maximus (indicate a comparison for your offer and this option i9core 3.6 GHZ or better and can take 128 GB or 256 GB RAM with the best and latest DDR 4. Or DDR5 or DDR6 possible. Water cooling is not acceptable Include 128 GB RAMs.
 - b- Processor iCore 9 or up to 12 cores as available to match the motherboard. See AMD-Ryzen-3900XT-24-Threads-Processor as an example. Your offer (or offers) could be different.
 - c- Latest and several of PCI expansion slots
 - d- At least three-four USB sockets on front of chassis and six slots behind
 - e- Fast Network 1x10GB Marvell Ethernet (or similar) 1x Intel Ethernet, Plus built-in Intel WIFI.
 - f- Ultra-fast graphics card maybe NVIDIA 2080 or 3080 or two 3070s (careful power supply connectors must match this). Cards with similar performance could be acceptable but NVIDIA has the advantage of connecting to Oculus units and other looking glass headsets easily. If software is needed to run these display glasses please indicate free windows-compatible software to be used and better commit to supply it. Card must have several output options to fit various monitors and display



- equipment easily. It is necessary to have graphics acceleration if possible. Note that the 3080 offer should be guaranteed to be stable and not break off suddenly as this problem has occurred in some cards using this technology. You may quote for several options here.
- g- Excellent and very quiet cooling
 - h- 2 oneTb solid state internal hard-discs
 - i- 4Tb solid state external hard-disc
 - j- Audio card stereo and matching speakers.
 - k- Latest Windows 64 bit operating system with latest office. Antivirus, and pdf read write software included (preferably open source)
 - l- 4K or better 5K monitor curved also acceptable for better 3D performance. Size should be 27 or 28 inches at least 3810/2160 resolution and preferably higher (option please)
 - m- Keyboard and mouse
 - n- If you think we need other improvements please offer them as options.
- 2-** Mac Book 13.3” touchscreen 8GB or 16 GB (please quote both options) Ram WIFI for creating IOS and Android as i5 core or i7core (please quote both options) for creating IOS and Android applications. Of suitable quality and performance for this purpose.
- 3-** Holographic display table 360 degrees complete with software that can handle the load of displaying 3D holographic presentations. Software can perform the following operations
- a- Control table remotely,
 - b- Load save and create applications
 - c- Import models into a scene
 - d- Add sound effects/ music
 - e- Resize, re-color, duplicate and delete models
 - f- Move, zoom, pan and wand to explore the scene.
 - g- Software must be able to import various 3D model file formats such as: .OBJ and .PLY (at least .OBJ) and several other possible formats.



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- 4-** 15" 64 bit Fast laptop 64 GB Ram and high end fast graphics card 1TB hard-disc and 1 of 2TB solid state external disk. For running holographic exhibitions all necessary windows etc. Open source software included.
- 5-** Looking glass number total 6 Small for connection to PC or tablet (supply tablets) 3D model and animations in OBJ, FBX, STL and LTF and maybe other formats can be imported into the Looking Glass with a couple clicks using a Model and Animation Importer App.
- 6-** 6 of Front projection Transparent LED Displays 1000mm times 500m good pixel pitch (around 2mm) Power 100/240 High resolution. For indoor use with good brightness and wide viewing angle. Complete self-contained solution.
- 7-** Holographic Helix complete system with everything necessary to do holographic presentations 6 in number.
- 8-** Holographic boxes complete solution. A good example is the Looking glass pro but other options of quality are acceptable.
- 9-** Oculus 6 in number must have software for display applications to work with windows 10 .
- 10-** HoloLens system complete.



Instructions to tender

Please send your offer to info@jssr.jo and sfsrjo@yahoo.com and quote on your company's letter-head in an attachment, and send it from your official company email address.

Please include in your offer your preferred method of payment. The deadline for sending an offer is at 5.00 pm Amman Jordan Time on Thursday, March, 4th.

JSSREC reserves the right to select the most appropriate offer or cancel its tender since the approval of the donor is required before any purchase is made.