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QUOTATION NO: IICB//2020//LSM 1
Date: 20.01.2020
TECHNICAL BID

To
The Director
INDIAN INSTITUTE OF CHEMICAL BIOLOGY
4, Raja S. C. Mullick Road
Jadavpur, Kolkata – 700032 India

Carl Zeiss India (Bangalore)Pvt. Ltd
Regd Office
Plot No. 3, Jigani Link Road
Bommasandra Industrial Area
Bangalore – 560 099, India


Tel. : 91- 80- 43438000
Fax : 91- 80- 43438229
E-mail : info.in@zeiss.com
http : www.zeiss.co.in
CIN : U33125KA2009PTC04965

Ref: With reference to the tender reference no Enq. No. IICB/PUR/599/616/64/2019-20; Dated 09.12.2019 FOR High resolution confocal laser scanning microscope

Subject: Quotation of High-resolution confocal laser scanning microscope Zeiss LSM 980

| Sl no | DESCRIPTION | CAT NO. | QTY | PRICE |
|-------|---|-----------------|-----|-------|
| | <u>Inverted Microscope with Accessories</u> | | | |
| 1 | Axio Observer 7 SP stand for LSM 980 Axio Observer 7 with motorized focus drive (min. step width 10 nm), with focus correction facility, deflection to the tube, motorized 3-position optovar turret, TFT touchscreen, Z-drive operation flat left, circular operation key unit right and left, additional keys for switching TL/RL illumination, light- and contrast manager, binocular tube 45°/23, tube lens LSM, 2x eyepiece PL 10x/23 Br. foc. with eyepiece eyecups, tiltable carrier for transmitted-light illumination, equipped with luminous-field diaphragm, 3-position filter changer and Interface for motorized condenser incl. Shutter, motorized 6x reflector module with ACR, side port LSM left, camera port 60N L100 right, dust protection cover, interfaces 4x CAN, RS, 232, USB and TCP/IP, trigger socket (In/Out) for shutter, connecting socket for external UNIBLITZ shutter and further components necessary for use with LSM. | 409000-9601-000 | 1 | |
| 2 | Scanning Stage 130x100 STEP Set for LSM | 409000-9420-000 | 1 | |
| 3 | Carrier for transmitted-light illumination for LSM | 423923-0000-000 | 1 | |
| 4 | HAL 100 illuminator with quartz collector | 423000-9901-000 | 1 | |
| 5 | Universal mounting frame K | 451352-0000-000 | 1 | |
| 6 | Bulb 12V 100W Halogen Rectangular Filament | 380059-1660-000 | 2 | |
| 7 | Illuminator HXP 120 V (D) inclusive built in power supply, lamp module and infrared filter. Fluorescence light source with motorized brightness switch and integrated motorized shutter, that works stepper motor controlled, fast and vibration free. With CAN connection for switching the shutter and the motorized brightness switch via ZEN (blue edition) and ZEN 2 (black edition). | 423013-9010-000 | 1 | |
| 8 | Illumination adapter for light sources with light guide | 423302-0000-000 | 1 | |
| 9 | Objective "Plan-Apochromat" 10x/0.45 M27 (WD=2.1mm) | 420640-9900-000 | 1 | |
| 10 | Objective Plan-Apochromat 20x/0.8 M27 | 420650-9901-000 | 1 | |
| 11 | Objective Plan-Apochromat 40x/0.95 CorrM27 | 420660-9970-000 | 1 | |
| 12 | Objective Plan-Apochromat 63x/1.40 Oil DIC M27 (WD=0.19mm), incl. Immersol 518 F, oiler 20ml and | 420782-9900-000 | 1 | |



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| | Cover glasses, high performance, D=0.17mm, box with 100 pc. | | | |
| 13 | Objective Plan-Apochromat 100x/1.40 Oil DIC M27 | 420792-9900-000 | 1 | |
| 14 | DIC prism II/0.55 | 000000-1005-867 | 1 | |
| 15 | DIC prism III/0.55 | 000000-1005-868 | 1 | |
| 16 | DIC slider Plan-Apo 10x/0.45 II | 000000-1045-073 | 1 | |
| 17 | DIC slider EC PN 10x/0.30 I, 20x/0.50 II, PA 20x/0.80 II | 426940-0000-000 | 1 | |
| 18 | DIC slider EC PN and Fluor 40x/1.30 III, PA 40x/0.95 III | 426944-0000-000 | 1 | |
| 19 | DIC slider PA 63x/1.40 III | 426957-0000-000 | 1 | |
| 20 | DIC slider PA 100x/1.40 III | 426941-0000-000 | | |
| 21 | Analyzer module DIC ACR P&C shift free for transmitted light | 424937-9901-000 | 1 | |
| 22 | Polarizer D, rotatable with color glass carrier | 000000-1121-813 | 1 | |
| 23 | LD condenser 0.55 H, Ph1, Ph2, Ph3, DIC, DIC; 6 positions, mot. | 424244-0000-000 | 1 | |
| | Epi fluorescence equipment | | | |
| 24 | Reflected-light illuminator FL | 423606-9901-000 | 1 | |
| 25 | Reflector module FL EC ACR P&C | 424933-0000-000 | 4 | |
| 26 | Filter set 49 DAPI shift free | 488049-9901-000 | 1 | |
| 27 | Filter set 38 Endow GFP shift free | 000000-1031-346 | 1 | |
| 28 | Filter set 43 Cy 3, d=25 shift free (E) EX BP 545/25, BS FT 570, EM BP 605/70 | 000000-1114-101 | 1 | |
| 29 | Filter set 50 Cy 5 shift free (E) | 488050-9901-000 | 1 | |
| 30 | Illuminator HXP 120 V (D) | 423013-9010-000 | 1 | |
| 31 | Illumination adapter for light sources with light guide (D) | 423302-0000-000 | 1 | |
| 32 | Antiglare screen LSM for Axio Observer | 000000-1327-824 | 1 | |
| | Incubation System | | | |
| 33 | Incubator PM S1 (D) | 411857-9020-000 | 1 | |
| 34 | TempModule S1 (D) - Basic stack module for the temperature control of up to 4 electrically heated S1 components - Power supply for further S1 modules - Eight allocatable parameter sets for control - Resolution: 0.1° C - Temperature accuracy: +/- 0.1°C - Temperature measuring channel for external calibration - CAN and USB connecting cables - 90V...260V AC/50...60Hz/max. 460VA - Country-specific line cable | 411860-9010-000 | 1 | |
| 35 | Heating Insert P S1 (D) | 411860-9020-000 | 1 | |
| 36 | CO2 Module S1 (D) | 411857-9010-000 | 1 | |
| 37 | Heating Device Humidity S1 (D) | 411857-9050-000 | 1 | |
| 38 | O2 Module for Hypoxia experiment | 411857-9040-000 | 1 | |
| | Confocal Module: | | | |
| 39 | Scan module LSM 980 | 000000-2172-366 | 1 | |



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| 40 | Spectral detection 6 channels with 2 PMT and 4 GaAsP for 6 color simultaneous detection | 000000-2301-693 | 1 | |
| 41 | Deflecting optics for Quasar detector LSM | 000000-2020-435 | 1 | |
| 42 | Module power supply, electronics and laser (488, 561, 639) (D) | 000000-2183-230 | 1 | |
| 43 | Beampath for 405 nm laser Beam coupling optics including main dichroic filters and filter wheel | 000000-2246-117 | 1 | |
| 44 | Diode laser 405nm (D) | 000000-2183-201 | 1 | |
| 45 | Diode laser 445 nm for laser/power supply with 561 nm laser (D) | 000000-2183-206 | 1 | |
| 46 | DPSS laser 594 nm (D) | 000000-2183-208 | 1 | |
| 47 | Diode laser 514 nm (D) | 000000-2183-207 | 1 | |
| 48 | Realtime control electronics | 000000-2200-460 | 1 | |
| 49 | Transmitted light detector T-PMT for LSM 980 | 000000-2183-233 | 1 | |
| 50 | Motorized switching mirror for two illuminators, T-PMT | 000000-1269-455 | 1 | |
| 51 | Module for improvement of the image resolution (120nm-140nm) with Deconvolution SR Hardware License Key, Module with 3D deconvolution algorithms, methods for theoretical PSF and simultaneous imaging | 410136-1021-230 | 1 | |
| Software and Computer | | | | |
| 52 | ZEN 3.0 system control software for 2D/ 3D visualization software module, multidimensional images like multichannel Z stack with time series. | 410135-1003-300 | 1 | |
| 53 | ZEN Module Tiles & Positions Hardware License Key Module for automatic scanning of predefined sample areas, plus acquisition of images according to a position list. Supports focus correction maps, stitching and shading correction. Compatible with software autofocus. | 410136-1025-110 | 1 | |
| 54 | Microscopy Workstation Premium Intel Xeon multilingual (O) Microscopy Workstation Premium Intel Xeon multilingual (O) - HP Z6 G4 Workstation - Chipset: Intel C622 - Memory: max. 192 GB RAM - Memory Expansion Slots: 6 x DDR4, RDIMM, ECC, 2666 MHz Module - PCI Express Connectors: 2 x PCI Express Generation 3 x16 1 x PCI Express Generation 3 x8 3 x PCI Express Generation 3 x4 - SSD: 1 x 512 GB M.2 NVMe - Hard Drives: 2 x 4 TB SATA 7200 rpm (configured as 4 TB RAID 1 hard drive) - Optical Storage: DVD +/- RW recorder for rewriteable media - Drive Bays: 4 - I/O Controller: SATA 6.0 GB/s controller integrated with 6 ports - Network Controller: Dual integrated GbE LAN interface - I/O: 10 x USB 3.0 type A (4 x front, 6 x rear), PS/2 for keyboard and mouse - Certifications & Declarations: CE, CSA, UL, FCC, CCC, KCC - Power Supply: 100 - 127 V / 200 - 240 V / 50 - 60 | 410203-9911-000 | 2 | |



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| | Hz / 1000 W with country specific plug - Chassis Dimensions: (H x W x D): 445 x 169 x 465 mm - Rescue kit | | | |
| 55 | ZEN Desk | 410135-1004-300 | | |
| 56 | System configuration 5 image and OS for HP Z6 with ELYRA 7 (O) | 000000-2307-671 | 2 | |
| 57 | Processor Intel Xeon Gold 5122 (hp Z6) (O) Default processor configuration- Intel Xeon Gold 5122 (3.6 GHz, 16.5 MB cache, 4 cores) | 410330-0400-000 | 2 | |
| 58 | Memory 32 GB (1x32) DDR4-2666 MHz ECC registered RAM (O) | 410303-3204-000 | 4 | |
| 59 | Graphic Card NVIDIA Quadro P400 2GB mDP (O) | 410331-1700-000 | 2 | |
| 60 | Language Pack English US (O) | 410380-0200-000 | 2 | |
| 61 | Monitor TFT 32" HP Z32 (O) Monitor TFT 32" HP Z32 (O) Visible diagonal: 80 cm, 16:9 Max. resolution: 3840 x 2160 pixel @ 60 Hz Brightness: 350 cd/m2 Contrast: 1300:1 Viewing angle: horizontal 178 degree, vertical 178 degree 3 x Video input: DisplayPort 1.2, mini DisplayPort 1.2, HDMI 2.0, 3 x USB 3.0, 1 x USB 3.1 Type-C Power consumption: Maximum 185 W, Typical 70 W, Power Saving 0.5 W, Dimensions with stand (H x W x D): 56.44 cm x 71.45 cm x 24.8 cm Weight: 12.2 kg (incl. stand), Ergonomic features: Tilt: -5° to +20°, swivel: 90°, height adjustable 12 cm, Certification and compliance: CE, CSA, GS, TÜV, FCC, TCO, Operating voltage: 100-240 V, country-specific power cable | 410350-3201-000 | 2 | |
| 62 | Anti-vibration System table, air damped, level regulated pressured air supply necessary, long side open, with breadboard | 000000-2147-373 | 1 | |
| 63 | Compressor for laboratory tables 230V | 000000-0500-916 | 1 | |
| | Microscopy Camera | | | |
| 64 | Camera Adapter 60N- C 1" 1.0x | 426114-0000-000 | 1 | |
| 65 | USB 3.0 Card PCIe Quad Chip | 410358-0401-000 | 1 | |
| 66 | Cable Dual USB 3.0/USB 2.0 angled 3 m (D) | 426557-0100-000 | 1 | |
| 67 | Microscopy Camera AxioCam 712 Mono | 426560-9090-000 | 1 | |
| 68 | Online UPS | XXXXXXXXXXXXX | 1 | |
| 69 | Trained Manpower for 2 Years | XXXXXXXXXXXXX | 1 | |
| TOTAL DISCOUNTED EX-WORKS PRICE: | | | EURO | |
| PACKING, FORWARDING, FREIGHT: | | | EURO | |
| TOTAL DISCOUNTED PRICE FCA, GERMANY AIRPORT: | | | EURO | |
| CHARGES TOWARDS FREIGHT & INSURANCE: | | | EURO | |
| TOTAL DISCOUNTED PRICE, CIP. KOLKATA AIRPORT BASIS: | | | EURO | |



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TERMS AND CONDITION

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|---|---|
| Price | In EURO, FCA GERMANY AIRPORT basis as well as CIP Kolkata. All taxes, duties, fees etc. outside Germany are to be borne by the purchaser. |
| Validity of the quote and prices | The offer is valid for 120 days after the date of bid opening |
| Order should be placed on | Carl Zeiss Microscopy GmbH Carl-Zeiss-Promenade 10 07745 Jena |
| Payment | 100% through irrecoverable letter of credit in favour of: Carl Zeiss Microscopy GmbH Carl-Zeiss-Promenade 10 07745 Jena |
| Country of Origin | Germany (or as certified by the Chamber of Commerce) |
| Advising Bank | Bank address: Deutsche Bank AG, 07743 Jena, Germany Bank Account: 620000000 SWIFT: DEUTDE8E Sort Code: 82070000 Account Name: Carl Zeiss Microscopy GmbH. |
| Bank Charges | All bank charges inside India is to Opener's Account and outside India is to Beneficiary's Account |
| Warranty | The equipment is warranted for a period of 36 months from the date of installation or 37 months from the date of shipment, whichever is earlier. |
| AMC | 5 years after completion of the warranty @..... |
| Export License | This quotation shall only be valid if the intended legal transaction does not infringe on applicable export control regulations including the stipulations of European and US export control laws. If Export licence is applicable, the mandatory End User Undertaking in the prescribed format will be required from the purchaser so that our factory can apply for export license. |
| Delivery | 4-5 months from receipt of purchase order and corresponding letter of credit. Please refer order confirmation for expected delivery date. |
| Installation & Demonstration | Will be done at your site by our factory trained engineers. |
| Training | Will be conducted at your site by our application specialist. |

for CARL ZEISS INDIA (BANGALORE) PVT. LTD.,

Handwritten signature of the authorized signatory.

Authorized Signatory
Business Group - Microscopy
M: 9319192267

