

अखिल भारतीय वाक् श्रवण संस्थान, मैसूरु-570006
ALL INDIA INSTITUTE OF SPEECH AND HEARING, MYSURU-570006

E-PROCUREMENT NOTIFICATION FOR HIGH DEFINITION STROBOSCOPE

ई-प्राप्ति संदर्भ / E-procurement reference	SH/PUR/126/DCS/2021-22	
Product & Specification / Work Description	High Definition Stroboscope Specifications: as per Annexure	
पूर्तिकार के लिए प्रपत्र – दर सूची Form for Supplier – PRICE SCHEDULE	Quote Rates in PRICE SCHEDULE (as per Annexure 2)	
बयाना राशि /EMD Amount	As per the CPPP Tender Notification	
ई-प्राप्ति प्रकाशन दिनांक E-procurement Publication Date	ई-प्राप्ति अनुसूची के अनुसार As per the E-procurement Schedule	
निविदा प्रस्तुति का आखिरी दिनांक व समय Last Date and Time for Submission of Technical Tender Document	ई-प्राप्ति अनुसूची के अनुसार As per the E-procurement Schedule	
निविदा प्रस्तुति का आखिरी दिनांक व समय Last Date and Time for Submission of Financial Tender	दिनांक /Date	समय /Time
	ई-प्राप्ति अनुसूची के अनुसार As per the E-procurement Schedule	
निविदा खोलने का दिनांक व समय Opening of Tender	दिनांक /Date	समय /Time
	ई-प्राप्ति अनुसूची के अनुसार As per the E-procurement Schedule	

निदेशक / Director

Specification of Advance High Definition Stroboscope system

Sl. No.	Description	Qty.
1.	<p>Full HD (1920x1080) Stroboscopy system camera control unit.</p> <ul style="list-style-type: none"> • Camera Processor with integrated LED light source having Full HD stroboscopy, EGG, three situational visualisation technologies which should offer various visualization modes for diagnosis by shifting the color spectrum for recognition of the fines tissue Structures and their differentiation. • Electroglottography and stroboscopy should be simultaneously executable. • The system should offer noiseless, flicker-free stroboscopy in Full HD 1920 x 1080p • The system should automatically regulate light intensity to eliminate burning. • The system should provide Real-time EGG (electroglottography) with picture-in-picture fade-in to the live image. • The system should have no or minimum image latency. • The system should come with built-in microphones, integrated LED lighting and integrated optics pre-heating. • The system should have highest patient safety by laser-optical isolation within the camera processor <p>Technical Specifications</p> <ul style="list-style-type: none"> • Video-3G-SDI-4 x Video format 2D: 1080p@60Hz • DVI-D-2 x Video format 2D: 1080p@60Hz • Voice frequency 80Hz -1000 Hz • Slow motion: 0.5Hz – 2Hz. • Phase resolution: 0-360 • Login time: microphone : <300ms, EGG: <100ms • Operation mode: slow motion and phase lock • EGG frequency range: 60Hz to 500 Hz able to synchronize through Mic and EGG • Resolution:-1920 x 1080 Full HD • Powerful inbuilt Light LED source for all ENT requirements. 	1
2.	<p>Ful HD Camera Head-1920 x 1080p (Minimum)</p> <ul style="list-style-type: none"> • It should be compact, ergonomic Soft-Touch design and light weight make Camera Head easy to handle. • Camera head should come with in-built microphone. <p>Technical Data</p> <ul style="list-style-type: none"> • Image sensor -Full HD, 1,920 x 1,080 or better • Lens -Parfocal zoom, 2x (16–32 mm) • Coupler -For standard eyepieces in compliance with DIN 58105 • Plug connector -universal connector • Dimensions (l x w x h) -112 mm x 45 mm x 50 mm or better. • Weight 217 g without cable / 513 g with cable or lower. • Storage and operating temperature +10°C through +40°C • Transport temperature -20°C through 60°C • Cable length 3 m or more • Keys Two keys or more keys should be freely programmable • Reprocessing -Immersible, can be gas-sterilised, can be plasma sterilised • Type of protection-P 67 • Application class -BF 	1

3.	<p>Medical Grade Monitor of at least 27" or more.</p> <ul style="list-style-type: none"> •Display for medical applications. •Front panel •External power 24 V •Stabilized high brightness LED backlight with 300 cd/m2 •Color System NTSC •Screen Resolution D1920 x1080 •Image format 16:9 •Contrast:- 1000:1, 178°/178° •Video inputs: DVI, HD-SDI, S-Video, Composite. •Video outputs:-DVI, S-Video, HD-SDI, composite. •Power supply:-100-240 VAC, 50/60Hz 5V DC output (1A) including external 24 VDC power supply mains cord. •The Medical grade monitor should be Certified to: EN 60601-1, protection class IPX 1 •It should be supplied with Medical grade Universal Swivel Mount VESA 100 standard for adaptation to monitor. (Pedestal medical grade) 	1
4.	<p>Laryngoscope, Ø 7 mm with handle and integrated fibre-optic light conductor, direction of view 70°, working length 180 mm, autoclavable, fibre-optic light conductor, length 1.8 m, adapter type STORZ</p>	1
5.	<p>High Definition Flexible Video Nasopharyngoscope</p> <p>Technical Data</p> <ul style="list-style-type: none"> • Field of view -80° • Direction of view -0° • Focal range -5 mm – 50 mm • Working length -320 mm • Shaft diameter -3,6 mm / 3,9 mm • Distal Bending angle up / down -130° / 130° Min. • Bending radius -8 mm Function keys -Two keys or more, should be programmable. • Stroboscopy -Integrated microphone compatible with stroboscopy systems • Plug connector universal connector Cable length -1.5 m • Weight (without cables) -320 g Type of protection -P 67 • Application class -BF 	1
6.	<p>Data station multilingual including WIN10 or Higher</p> <p>Technical Data</p> <ul style="list-style-type: none"> • Processor -Intel Core i5 • Chipset -Intel Q87 Express Chipset • RAM memory -4GB • Slots -04 x 1.5V DDR3 DIMM, maximum 32 GB • Onboard graphics -Integrated graphics processor, HD 4600. <ul style="list-style-type: none"> ○ 1 x VGA Sub D port ○ 1 x DVI-D port, resolution up to 1920 x 1200 ○ 1 x Display port, V1.2 • External connections -1 x LAN RJ45 (10/100/1000 MBit) <ul style="list-style-type: none"> ▪ 2 x USB front-side, ▪ 4 x USB rear-side (USB 2.0/1.1) ▪ 2 x USB rear-side (USB 3.0 3.0/2.0) ▪ 2 x PS2 AUDIO IN/OUT (3 x 3.5 mm jack) • Power supply -100-240V AC 50 to 60 Hz • Current consumption -max. 2.5 A • Dimensions (W x H x D) -350 mm x 172 mm x 363 mm Weight- approx. 8.6 kg • Operating temperature -10°C to +40°C • Protection class -Class I • Degree of protection -P 20 <p>Should include following software's from the same OEM.</p>	1

	<ul style="list-style-type: none"> • Base / Patient Management • Video Documentation • Photo Documentation • Stroboscopy Analysis Software • Electroglottography Analysis Software • Strobokymography Software • Swallowing Diagnostics (FEES) Software 	
7.	Electrodes for electroglottography with Single use collar for EGG electrodes pu 25 pieces.	1
8.	It should be supplied with modular trolley to accommodate all of the above items from the same OEM having in-built speaker, isolation transformer of 400VA or more.	
All equipment including Stroboscopy system, recording device, LED light source, Equipment, EGG and software's should be from same manufacturer.		

Or

Laryngeal Stroboscope High Definition Video Laryngoscope along with HD Video processor and inbuilt Xenon Light Source (150W) and a Medical Grade Monitor and Imported Trolley. It should be integrated with Hardware and Software package system.		
	<p>Laryngeal Strobe Specifications:</p> <ul style="list-style-type: none"> • Anti-blinking circuit provides consistent brightness throughout the patient's entire pitch and amplitude range • Superior pitch tracking quickly locks to voice fundamental frequency • Xenon 120W at 60Hz (flashing) and halogen 150W (constant) light sources • Foot-pedal control of key functions during endoscopic procedures • Selectable throat microphone or Electroglottography (EGG) input for frequency detection • Can be used for both stroboscope and general endoscopy • Default Strobe Rate: 60 Hz/50 Hz, selectable • Frequency Range: 60 Hz – 1000 Hz • Operating Modes: Normal (1.5 Hz) or Slow (0.5 Hz) • Power: 100 – 240VAC (3.0 Amps max) • Dimensions: 7.6" (19.2 cm) H x 18.5" (47 cm) W x 18" (45.7 cm) D 	1
	<p>Video Naso-Pharyngo-Laryngoscope High Definition: Scope 1:- diagnostic</p> <ul style="list-style-type: none"> • High definition flexible Video scope • Optical filter on the scope tip for improved vascular visibility • Field of View 80° or more • Minimum Depth of Field 3-50mm • Tip Deflection Up/Down 130°/130° or more • Distal End diameter should not be more than 3.5mm • Insertion tube Diameter should not be more than 3.6mm • minimum working length of 300mm • Disposable suction control valve for patient and user safety • compatibility for sterilization • Leakage tester to provide with the above scope for routine checking for leak test 	1

	<p>paediatrics (optional quote be provided)</p> <ul style="list-style-type: none"> • High definition flexible Video scope • Optical filter on the scope tip for improved vascular visibility • Field of View 80° or more • Minimum Depth of Field 3-50mm • Tip Deflection Up/Down 130°/130° or more • Distal End diameter should not be more than 2.4mm • Insertion tube Diameter should not be more than 2.9mm • minimum working length of 300mm • Disposable suction control valve for patient and user safety • compatibility for sterilization • Leakage tester to provided with the above scope for routine checking for leak test 	1
	<p>Video Processor with built in Xenon light source</p> <ul style="list-style-type: none"> • Compact, lightweight Digital color video processor. • single CCD color system • xenon short arc lamp of 150W with 3W LED as auxiliary lamp • HD Image output such as DVI-D, RGBS Connectors, Y/C Connectors and Composite video connector as Video Out. • Should have facility for USB port on front and rear panel. • Facility for Image Enhancement Endoscope i-scan/NBI OR FICE technology for better diagnosis. • freeze scan to temporarily select the best image • View far off image with better brightness. • Facility of extra illumination for more light apart from normal brightness control. • Panel button should be feather touch. • Processor with in-built light source will be preferred. 	1
	<p><u>Rigid Laryngoscope</u></p> <ul style="list-style-type: none"> • Rigid Laryngoscope 70° Degree with working length 17-20cm to be provide alongwith the Unit for Rigid Laryngoscopy purposes. 	1
	<p><u>Digital Capture</u></p> <ul style="list-style-type: none"> • Record FEES, MBS, Stroboscopy& General Endoscopy exams • Record MBS at 30 frames per second (ASHA recommended) • Standard video formats for portability of exam segments • Patient database (SQL) and exam management system • Comprehensive networking solutions • Easy DVD creation for patients or referring physician • <i>Playback of Two Exams Side by Side & Powerful Image Capturing System</i> • Sharp, clear 1080i HD format image • Six times the image detail compared to standard definition video. • Real-time viewing of uncompressed HD for highest image quality during examination. • Exam Videos are saved in industry-standard H.264 format for efficient storage and portability. • Full screen image. • Report generation, still image creation and MPEG DVD burning capabilities 	1
	<p>Medical grade HD Monitor at least 24” inches or more 24” inches colour HD –Medical Grade monitor with DVI-D, Video in/ out facility. Availability of NTSC and PAL Signals.</p>	1

	Endoscopy Trolley with Castor to be provided for the above mentioned equipments	1
	Voltage Stabilizer 2KVA to be provided along with the above equipments for proper functioning of the system	

All equipment including Stroboscopy system, recording device, LED light source, Equipment, EGG and software's should be from same manufacturer.

Terms & Conditions:

- Demonstration of the system should be to be provided.
- Indicate the provision for buyback.
- 10 years free software support to be provided for any up gradation related to stroboscopy.
- Post sale and services support to be given for the system at the site if required for 15 years.

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परिशिष्ट/ ANNEXURE-2

दर सूची / PRICE SCHEDULE

सभी मदों के लिए विवरण सहित दर उद्धृत करें /Quote rate for all items with description.

क्रमांक Sl. No	वस्तु का नाम / विवरण Item Name / Description	मात्रा Qty	इकाई Unit rate	GST %	Total Cost in INR (Including all taxes)
1	High Definition Stroboscope	01	No.		

वितरण: यथा निम्न सूचित पते पर / Delivery: As per the Address given below

क्रमांक / Sl. No.	मुख्यालय /Head Quarters
1.	भंडार अनुभाग, Stores Section, All India Institute of Speech and Hearing, Manasagangothri, Mysuru-570006

पूर्तिकार के हस्ताक्षर
Signature of the Supplier
नाम, पता और मोहर
Name, Address and Seal

दिनांक / Date:

स्थान / Place:

सामान्य शर्तें और निबंधन / General Terms and Conditions:

1. भारत में उत्पाद बनाने के लिए प्राथमिकता दी जाएगी। Preference will be given to make in India Products
 - a. बोलीदाता को स्पष्ट रूप से उस ब्रांड और उत्पाद का उल्लेख करना चाहिए जिसके लिए फर्मों ने उद्धृत किया है। / The bidder should clearly mention the brand and make of the product for which the firm has quoted for.
 - b. बोलीदाता को 04.06.2020 के वाणिज्य आदेश मंत्रालय द्वारा जारी दिशा-निर्देशों के अनुसार एक स्व प्रमाणन देना चाहिए। / The bidder should submit a self certification as per guidelines issued by Ministry of Commerce Order dated 04.06.2020.
2. उद्धृत मूल्यएफओआर(FOR) , (AIISH) / The price quoted should be FOR destination, AIISH Mysore.
3. बोली केवल केंद्रीय सार्वजनिक खरीद पोर्टल (<https://eprocure.gov.in/eprocure/app>) के माध्यम से प्रस्तुत की जानी चाहिए। हार्ड कॉपी विचार नहीं किया जाएगा। / Bid should be submitted only through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>). No hard copies will be entertained.
4. बोली हमारे विनिर्देशों के अनुसार और क्रमबद्ध रूप में हमारे निविदा दस्तावेज के अनुसार होनी चाहिए। / The bid should be exactly according to our specifications and in sequential form as per our tender document.
5. बोली खोलने की तिथि से बोली / उद्धरण 180 दिनों की अवधि के लिए मान्य होना चाहिए। / The bid/quotation should be valid for a period of 180 days from the date of opening of the bids.
6. रियायती कीमतों को शैक्षिक, अनुसंधान और सेवा संस्थान के रूप में पेश किया जा सकता है। / Discounted prices may be offered being as an Educational, Research and Service institution.
7. बोलीदाता, निदेशक आइश, मैसूरू के पक्ष में डिमांड ड्राफ्ट के रूप में, 2,00,000रुपये की राशि का बयाना जमा / बोली सुरक्षा (आईएनआर अड़तीस हजार रूपये) जमा करेंगे। भौतिक प्रतिलिपि बोलियों को जमा करने की अंतिम तिथि से पहले या उससे पहले निदेशक के कार्यालय में पहुँच जानी चाहिए। कॉपी ऑनलाइन बोली के साथ अपलोड की जानी चाहिए। / The Bidders shall submit an EMD (Earnest Money Deposit)/Bid Security of amount of Rs. 2,00,000 (INR Rupees Two Lakhs only), in the form of Demand draft in favour of Director AIISH, Mysore. The physical copy should reach office of Director on or before the last date of submission of bids. Copy should be uploaded along with the bid online.
8. टेंडर के साथ ही जीएसटी और पैन की कॉपी प्रस्तुत की जानी चाहिए। / Copy of the GST and PAN should be produced along with the tender.
9. जहां भी लागू हो, कर की दर स्पष्ट रूप से दर्शाई जानी चाहिए। / The rate of tax should be clearly indicated wherever, applicable.
10. सामग्री की आपूर्ति और स्थापना खरीद आदेश की नियत तारीख के भीतर सभी तरह से पूरी होनी चाहिए। / Supply and Installation of the material should be completed in all respects within the due date of Purchase Order.
11. सभी प्रकार से संबंधित और स्वीकृति में स्थापना के पूरा होने और अच्छी स्थिति में माल / सामग्री की प्राप्ति की तारीख से 30 दिनों के भीतर एनईएफटी / आरटीजीएस द्वारा भुगतान किया जाएगा। अग्रिम भुगतान नहीं किया जाएगा। / Payment will be made by NEFT / RTGS within 30 days from the date of receipt of the goods / materials in good condition and completion of installation in all respects and acceptance. No advance payment will be made.
12. सामग्री / उपकरण, इंस्टालेशन, कम्यूनिकेशन और प्रशिक्षण की आपूर्ति में विफलता के मामले में, यदि कोई हो, तो प्रति सप्ताह देरी का 0.5% @ जुर्माना लगाया जाएगा या खरीद आदेश के कुल मूल्य का अधिकतम 10% तक का हिस्सा होगा। / In case of failure in supply of material/equipment, installation, commissioning and training if any, within due date, penalty will be levied @ 0.5% per week of delay or part thereof up to a maximum of 10% of the total value of Purchase order.

13. बैंक विवरण जैसे बैंक का नाम, शाखा का नाम, खाता संख्या, खाता नाम और आईएफएससी कोड प्रदान करें या कैंसल चेक अपलोड करें। / Provide Bank particulars such as Bank Name, Branch Name, Account No, Account Name and IFSC code or upload cancelled cheque leaf.
14. अनुबंध के निबंधन और शर्तों को सख्ती से पालन किया जाना चाहिए जैसा कि निविदा दस्तावेज में इंगित / निर्धारित किया गया है अन्यथा अस्वीकार किए जाने योग्य है। / The terms and conditions of the contract shall be strictly adhered to as indicated /stipulated in the Tender Document otherwise liable to be rejected.
15. निविदा शुल्क के लिए डिमांड ड्राफ्ट "निदेशक, अखिल भारतीय वाक् श्रवण संस्थान, मैसूरु पर देय" के पक्ष में तैयार किया जाना चाहिए। सभी प्रतिभागियों को एमएसएमई सहित निविदा शुल्क का भुगतान करना चाहिए और डिमांड ड्राफ्ट की भौतिक प्रतिलिपि बोलियों को जमा करने की अंतिम तिथि से पहलेया अंतिम तिथि तक निदेशक, अखिल भारतीय वाक् श्रवण संस्थान, मैसूरु के कार्यालय तक पहुँचनी चाहिए। / Demand draft for tender fee should be drawn in favour of "The Director, All India Institute of Speech and Hearing, Payable at Mysuru". All the participants should remit tender fee including MSME's and physical copy of the demand draft should reach the office of Director, AIISH, Mysore on or before the last date of the submission of bids.
16. 3 copies of similar order executed to other firm or any other government institutions and autonomous bodies may please be submitted.
17. भारत में अनुसूचित वाणिज्यिक बैंक से बैंक प्रत्याभूति (गारंटी) के रूप में प्रदर्शन सुरक्षा 60 दिनों के लिए वैध होनी चाहिए, जो कुल खरीद आदेश मूल्य के 3% के लिए आश्र्वस्ति ()
() 60 दिनों के साथ वारंटी अवधि के पूरा होने तक समतुल्य राशि बरकरार रखी जाएगी। / Performance Security in the form of Bank Guarantee from the scheduled commercial bank in India should remain valid for 60 days beyond the completion of warranty period for an amount of 10% of the total purchase order value has to be submitted on receipt of Purchase Order (or) equivalent amount shall be retained till the completion of warranty period plus 60 days from the final bill.
18. बोली की स्वीकृति निदेशक के पास होगी, जो खुद को सबसे निचली बोली को स्वीकार करने के लिए बाध्य नहीं करती है और अस्वीकार करने का अधिकार सुरक्षित रखती है, या किसी भी कारण को स्वीकार किए बिना प्राप्त सभी बोलियों को आंशिक रूप से स्वीकार करती है। / **The acceptance of the bid will rest with the Director, who does not bind herself to accept the lowest bid and reserve the right to reject, or partially accept any or all the bids received without assigning any reason.**
19. Demonstration of the product to be provided before the supply of the product.