

GOVERNMENT OF ASSAM
OFFICE OF THE DIRECTOR OF MEDICAL EDUCATION, ASSAM SIXMILE, KHANAPARA, GUWAHATI-22
E-mail-dmeassam@gmail.com

No. 582837-4

Corrigendum-I

In reference to the **IFB No: AHIDMS/JICA/P&C/Equipment/Laparoscopy System/2024/05** invited for Supply, Installation and Commissioning of 3D-4K Ultra High-Definition Laparoscopy Imaging System with ICG compatibility with Hand Instrument (General Surgery) for AMCH, GMCH, and SMCH, 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Hand instrument, Resect scope and Hysteroscope (Obs and Gynae) for AMCH, FAAMCH, LMCH, GMCH, JMCH, DMCH & TMCH and 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Cystoscope (Urology) for AMCH and GMCH in ASSAM under Assam Health System Strengthening Project (AHSSP) certain amendments enclosed as Annexure-I, have been incorporated in the IFB document. In addition, replies to the bidder's queries may be find at Annexure-II. Bidders are requested to take the note of these amendments prior to the submission of bid.

Dr Anup Kr Burman
Director of Medical Education

Corrigendum No. I (Annexure I)

IFB No: AHIDMS/JICA/P&C/Equipment/Laparoscopy System/2024/05

Procurement of:

NAME OF WORK: Supply, Installation and Commissioning of 3D-4K Ultra High-Definition Laparoscopy Imaging System with ICG compatibility with Hand Instrument (General Surgery) for AMCH, GMCH, and SMCH, 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Hand instrument, Resect scope and Hysteroscope (Obs and Gynae) for AMCH, FAAMCH, LMCH, GMCH, JMCH, DMCH & TMCH and 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Cystoscope (Urology) for AMCH and GMCH in ASSAM(AHSSP)

Sl. No.	Reference	Existing	Modified
Section VI. Technical Specifications for 3D 4K Laparoscopy System			
10	IMAGE/VIDEO RECORDING SYSTEM		
	ii	Controllable via Touch screen of size 10" or more.	Controllable via Touch screen size 5 inch or more
	iv	Internal storage of 2TB & more.	Internal storage of 1 TB & more
12	LAPAROSCOPIC HAND INSTRUMENTS		
	ii	Trocar & Cannula 11MM: Cannula size: 11 mm diameter; should have multifunctional valve/automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pinholes near the tip for safety outlet of CO2 gas. The working length of the canula should be 100-110 mm.	Trocar & Cannula 11MM: Cannula size: 10-11 mm diameter; should have multifunctional valve/automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pinholes near the tip for safety outlet of CO2 gas. The working length of the cannula should be 100-110 mm.
	iii	Trocar & Cannula 11MM: Cannula size: 11 mm diameter; should have multifunctional valve/automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pinholes near the tip for safety outlet of CO2 gas.	Trocar & Cannula 11MM: Cannula size: 10-11 mm diameter; should have multifunctional valve/automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pinholes near the tip for safety outlet of CO2 gas. The working length of the cannula

		The working length of the cannula should be 80-85 mm.	should be 80-85 mm.
	iv	Hassan Blunt trocar and its cannula size 11mm	Hassan Blunt trocar and its cannula size 10- 11mm
	v	Trocar & Cannula 6MM: Cannula size: 6mm diameter; should have multifunctional valve and automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO2 gas. The working length of the canula should be 100-110 mm.	Trocar & Cannula 6MM: Cannula size: 5.5-6mm diameter; should have multifunctional valve and automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO2 gas. The working length of the canula should be 100-110 mm.
	vi	Trocar & Cannula 6MM : Cannula size : 6mm diameter; should have multifunctional valve and automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO2 gas. The working length of the canula should be 80-85 mm.	Trocar & Cannula 6MM : Cannula size : 5.5-6mm diameter; should have multifunctional valve and automatic valve to prevent damage of sharp instruments and tip lens while passing through the cannula valve. It should have stopcock for CO2 insufflation. Trocar should have pyramidal tip with pin holes near the tip for safety outlet of CO2 gas. The working length of the canula should be 80-85 mm.
	viii	Grasping Forcep Fenestrated: Atraumatic serration, fenestrated, grasping forcep with unipolar connection, insulated sheath, handle without ratchet. Should be dismantable into three parts namely, outer tube, handle and inserts. Length between 35-36cm, size: 5.0mm.	Grasping Forcep Fenestrated: Atraumatic serration, fenestrated, grasping forcep with unipolar connection, insulated sheath, handle without ratchet. Should be dismantable into three parts namely, outer tube, handle and inserts. Length between 33-36cm, size: 5.0mm.
	ix	Grasping Forcep Fenestrated curved::	Grasping Forcep Fenestrated curved:: Atraumatic,

		Atraumatic, fenestrated, curved grasping forcep with unipolar connection, insulated sheath, handle without ratchet. Should be dismantable into three parts namely, outer tube, handle and inserts. Length between 35-36cm, size: 5.0mm	fenestrated, curved grasping forcep with unipolar connection, insulated sheath, handle without ratchet. Should be dismantable into three parts namely, outer tube, handle and inserts. Length between 33-36cm, size: 5.0mm
	xi	Unipolar curved Maryland dissecting and Grasping Forcep:: Maryland curved dissecting and grasping forceps insulated, atraumatic, working length 35-36 cm, size: 5mm, dismantable into handle, insert and working tube. Handle without ratchet.	Unipolar curved Maryland dissecting and Grasping Forcep:: Maryland curved dissecting and grasping forceps insulated, atraumatic, working length 33-36 cm, size: 5mm, dismantable into handle, insert and working tube. Handle without ratchet.
	xii	Unipolar Tooth Grasping Gorcep:: Tiger Jaw 2x4 teeth insulated. Dismantable into different parts, insert, handle and working tube, Working length of 35-36 cm, size: 5mm. Handle with ratchet.	Unipolar Tooth Grasping Gorcep:: Tiger Jaw 2x4 teeth insulated. Dismantable into different parts, insert, handle and working tube, Working length of 33-36 cm, size: 5mm. Handle with ratchet.
	xiii	Scissor curved Unipolar: METZENBAUM curved scissor 5mm, length of blade 12mm, connection for unipolar HF cable, dismantable into insert, tube and handle. Working length 35-36 cm, size: 5mm, handle without ratchet.	Scissor curved Unipolar: METZENBAUM curved scissor 5mm, length of blade 12mm, connection for unipolar HF cable, dismantable into insert, tube and handle. Working length 33-36 cm, size: 5mm, handle without ratchet.
	xvi	Knot pusher 5mm eye type	Knot pusher 5mm eye type Instrument length between 33 to 36 cm
	xvii	Claw Forceps: 10 mm claw forceps 2x3 teeth short with ratchet.	Claw Forceps: 10 mm claw forceps 2x3 teeth short with ratchet and instrument length between 33-36cm
	xviii	Spoon forceps: Retrieval of foreign body/stones forceps, size 10mm without ratchet	Spoon forceps: Retrieval of foreign body/stones forceps, size 10mm without ratchet and Instrument length between 33 to 36 cm
	xix	Clip Applicator: Medium Large clip applicator dismantable rotating size:	Clip Applicator: Medium Large clip applicator dismantable rotating size: 10mm, length

		10mm, length 36cm	33- 36cm
	xxi	Two Way Suction irrigation cannula, size: 5mm	Two Way Suction irrigation cannula, size: 5mm length 33-36cm
	xxii	Puncture/Aspiration Needle, size: 5mm, length 36cm	Puncture/Aspiration Needle, size: 5mm, length 33-36cm
	xxiii	Needle Holder: Macro needle holder with tungsten carbide insert, ergonomic pistol handle, with disengage able ratchet, jaw curved to left, size: 5mm, length: 33cm for use with suture material size: 0/0 to 7/0.	Needle Holder: Macro needle holder with tungsten carbide insert, ergonomic pistol handle, with disengage able ratchet, jaw curved to left, size: 5mm, length: 33-36cm for use with suture material size: 0/0 to 7/0.
	xxiv	Fan retractor:: Fan retractor with simple opening of the fan by axial movement of the outer sheath, dismountable and distend able, size: 10mm, length: 36cm	Fan retractor:: Fan retractor with simple opening of the fan by axial movement of the outer sheath, dismountable and distend able, size: 10mm, length: 33-36cm

Sl. No.	Reference	Existing	Modified
Section VI. Technical Specifications for 4K Laparoscopy System Obs and Gynae			
1	Full 4K video image processor.		
	C	4K UHD Camera Head -1no	
	iii	Lens: Integrated Zoom Lens, f = 18mm	Lens: Integrated Zoom Lens f=16 to 28 mm

	K	ADDITIONAL ACESSORIES:	
	v	DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be CE approved. - 2 Bottle	DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be ISO/CE approved. - 2 Bottle
	LAPAROSCOPI C HAND INSTRUMENT:		
	viii	Suction and Irrigation Cannula. Size 5 mm. length 36 cm, used with suction and irrigation handle- 1 nos.	Suction and Irrigation Cannula. Size 5 mm. length 33- 36 cm, used with suction and irrigation handle- 1 nos.

Sl. No	Reference	Existing	Modified
Section VI. Technical Specifications for 4K Laparoscopy System UROLOGY			
	Full 4K High-Definition video image processor.		
	v	Lens: Integrated	Lens: Integrated Zoom Lens f=16 to 28 mm

		Zoom Lens, f = 18mm	
	ADDITIONAL ACCESSORIES:		
	iv	DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be CE approved. - 2 Bottle	DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be ISO/CE approved. - 2 Bottle

All other terms and conditions of the Bid Document shall remain unchanged.

Sd/-

Dr. Anup Burman

Director of Medical Education, Khanapara, Guwahati

Replies to Bidders' queries (Annexure II)

IFB No: AHIDMS/JICA/P&C/Equipment/Laparoscopy System/2024/05

Procurement of:

NAME OF WORK: Supply, Installation and Commissioning of 3D-4K Ultra High-Definition Laparoscopy Imaging System with ICG compatibility with Hand Instrument (General Surgery) for AMCH, GMCH, and

SMCH, 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Hand instrument, Resect scope and Hysteroscope (Obs and Gynae) for AMCH, FAAMCH, LMCH, GMCH, JMCH, DMCH & TMCH and 4K Ultra High Definition Laparoscopy Imaging System with ICG compatibility with Cystoscope (Urology) for AMCH and GMCH in ASSAM under AHIDMS.

Section VI. Technical Specifications for 3D 4K Laparoscopy System			
Sl. No.	Reference	Query Raised	Clarification
1	Camera Processor		
	i	The video processor should be compatible with 4K or 3D in IR/ICG- Reason: The Aesculap EV3 offers true 3D output, which surpasses 4K technology. 3D technology enhances depth perception and color accuracy, essential for successful surgeries, particularly in advanced Laparoscopic and Oncology procedures. Using ICG in 3D further improves the surgical experience. Evidence indicates that 3D reduces surgeon-operating time. We surge the committee to consider these benefits when updating specifications for advanced surgeries	Refer Bid document
	ii	The video processor should be compatible with 4K or 3 D in IR/ICG- Reason: The Aesculap EV3 offers true 3D output, which surpasses 4K technology. 3D technology enhances depth perception and color accuracy, essential for successful surgeries, particularly in advanced Laparoscopic and Oncology procedures. Using ICG in 3D further improves the surgical experience. Evidence indicates that 3D reduces surgeon-operating time. We surge the committee to consider these benefits when updating specifications for advanced surgeries	Refer Bid document
	iii	Kinldy delete this company specific point	Refer Bid document
	iv	Kindly delete this point since its one company specific	Refer Bid document
	ix	Kindly delete this point since its one company specific	Refer Bid document
	xi	Kindly revise as All Compatible outputs should be there (12GSDI, D.P) for 4K or Full HD resolution and DVI for HD resolution.	Refer Bid document
2	4K Camera Head		
	i	Pixels 3840 X 2160 Pixels or 1920 * 1080 P	Refer Bid document
	iii	Kinldy amend as Lens: Integrated Zoom Lens f=16 to 28 mm	Refer Bid document

	vi	Camera head should be able to perform both White light and Optional Near Infrared application.	Refer Bid document
5	TELESCOPES for 2D		
	i	Kindly revise as TELESCOPES for 2D Camera Head with or without NIR	Refer Bid document
6	Telescopes for 3D in 4K resolution with/without integrated camera head	Telescopes for 3D with/without integrated camera head 3D imaging via two distal sensors 0-100 deg movement in 4 direction (Up, Down, Right, Left)	Refer Bid document
	i	We recommend users to ask for true HD 3 D scope with 1920 * 1080 P resolution with inbuilt controlled Heating element	Refer Bid document
	v	Autoclavable or equivalent feature	Refer Bid document
8	SMOKE EVACUATION SYSTEM		
	iv	User should have full control of the system from the sterile field via buttons or foot switch	Refer Bid document
10	IMAGE/VIDEO RECORDING SYSTEM		
	ii	Kindly revise as Controllable via Touch screen size 7 inch or more or touch panel	Refer Corrigendum-1
	iii	Capture video & images in 4K or UHD, Full HD, 3D & audio file	Refer Bid document
	iv	Internal storage of 1 TB & more	Refer Corrigendum-1
	v	All inputs and outputs should be capable of routing 4K or 3D and Full HD signals in native resolution.	Refer Bid document
12	LAPAROSCOPIC HAND INSTRUMENTS	LAPAROSCOPIC HAND INSTRUMENTS	
	ii	Kindly revise trocar diameter as 10-11 mm	Refer Corrigendum-1
	iii	Kindly revise as Hassan Blunt trocar and its cannula size 10 to -11mm	Refer Corrigendum-1
	iv	Kindly revise as Hassan Blunt trocar and its cannula size 10- 10- 11mm	Refer Corrigendum-1
	v	Kindly revise the diameter from 5.5 to 6 mm	Refer Corrigendum-1
	vi	Kindly revise the diameter from 5.5 to 6 mm	Refer Corrigendum-1
	viii	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1

	ix	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1
	x	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1
	xi	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1
	xii	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1
	xiii	1. Kindly revise Instrument length between 33 to 36 cm 2. Please amend as 33- 36cm	Refer Corrigendum-1
	xvi	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xvii	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xviii	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xix	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xxi	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xxii	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
	xxiii	Kindly revise Instrument length between 33 to 36 cm	Refer Corrigendum-1
13	Terms and Conditions		
	ii	1 From Same OEM or from reputed make have USFDA/EU-CE. 2. All Equipment & Instruments Should Manufacture/ Marketed by same OEM	Refer Bid document
15	Standards, Safety and Training		
	i	1. Should have USFDA /ISO/BIS/ROHS Compliant. 2.All Equipment's should be certified by USFDA or CE European with four digit notified body. Same it should be from manufacturer for better compatibility and outcome.	Refer Bid document

Section VI. Technical Specifications for 4K Laparoscopy System Obs and Gynae

Sl. No.	Reference	Query raised	Clarification
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1	Full 4K video image processor.		
	B	The system should be 3D ready for future up-gradation in future technology	Refer Bid Document
	i	The system should be Digital endoscopic video camera with minimum resolution of 1920 X 1080 pixels and progressive scan to guarantee genuine	Refer Bid Document
	iii	Kindly delete this point since its one company specific	Refer Bid Document
	iv	The CCU should be complete with all accessories so as to connect HD or more telescope and process and display the signals in their native resolution.	Refer Bid Document
	vii	Resolution: minimum 1920 X 1080 Pixels	Refer Bid Document
	viii	Kindly revise as All Compatible outputs should be there (12GSDI, D.P) for 4K or Full HD resolution and DVI for HD resolution.	Refer Bid Document
	ix	Should have compatibility for selecting 4K or Full-HD output	Refer Bid Document
	x	1. Remove this point 2. Remove this point 3. Kindly Remove this point or make it optional 4. Kindly remove this point	Refer Bid Document
	C		
	i	Pixels 3840 X 2160 Pixels or 1920 *1080 P	Refer Bid Document
	iii	Kindly amend as Lens: Integrated Zoom Lens f=16 to 28 mm	Refer Corrigendum - 1
	vii	Kindly amend as ICG and 4K or 3D in same camera head as required to show 4K/3D and ICG output	Refer Bid Document
	H		
	ii	Should be compatible with 4K system and for white light or fluorescence imaging for ICG application	Refer Bid Document
	H		

	i	State of the art user friendly medical grade system from same OEM of 4K or 3 D camera system (certified to be used in OT) should be offered with following features: Should be same from OEM or marketed by same OEM	Refer Bid document
	iii	Should be a 4K UHD / 3 D medical grade video and still images recorder (optional with Audio)	Refer Bid document
	iv	Playback of 2D and 4K UHD / 3D content	Refer Bid document
	vi	Should have BIS/ROHS/ISO/FDA or CE	Refer Bid document
	xiv	Input / recording resolution: 4K/3D ,1080p ,1080i, 720p, NTSC & PAL	Refer Bid document
	xvi	1. User should have full control of the system from the sterile field via buttons or foot switch 2. User should have full control of the system from the sterile field via buttons, foot switch	Refer Bid document
	K		
	v	1. Should be low temp sterilization (ETO, FA, Sterrad etc) 2. DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be ISO/CE approved. - 2 Bottle	Refer Corrigendum - 1
12	Instrument		
	v	It should be from any manufacturer with USFDA/European CE certification	Refer Bid document
13			
	i	It should be from any manufacturer with USFDA/European CE certification	Refer Bid document

	UNIPOLAR WORKING ELEMENT		
	ii	<p>1. Requesting to add a specification for Diathermy from same OEM as a diathermy is required in resection procedure</p> <p>2. It should be from any manufacturer with USFDA/European CE certification</p>	Refer Bid document
	BIPOLAR WORKING ELEMENT SET-		
	iii	<p>1. Requesting to add a specification for Diathermy from same OEM as a diathermy is required in resection procedure</p> <p>2. It should be from any manufacturer with USFDA/European CE certification</p>	Refer Bid document
	LAPAROSCOPI C HAND INSTRUMENT:		
	viii	Instrument length can be 33-36 cm	Refer Corrigendum - 1
14	Others terms and conditions:		
	i	<p>1. Imaging Equipment's & instruments except Hysteroscopy, resectoscope, gynae instruments set should be from same manufactures / OEM to avoid compatibility issues and to get better service support throughout the warranty & CMC .</p> <p>2. From same OEM or from reputed make have USFDA/Eu-CE Approval.</p> <p>3. For Laparoscopic hand instrument -It should be manufacture/ Marketed by same OEM</p>	Refer Bid document
15	Standards, Safety and Training		

	i	<p>1. Should have USFDA or European CE certification/ISO/IEC/CDSCO/BIS certification as per the guidelines of the Indian Government.</p> <p>2. Should have USFDA /ISO/BIS/ROHS Compliant.</p> <p>3. Should have BIS/ROHS/ISO/FDA or CE</p> <p>4. Should be USFDA/European CE Approved Product</p>	Refer Corrigendum - 1

Sl. No.	Reference	Query Raised	Clarification
Section VI. Technical Specifications for 4K Laparoscopy System UROLOGY			
	Full 4K High-Definition video image processor.		
	i	A full 4K high-definition or 3 D video processor should have native resolution of 3840 x 2160 or 1920 * 1080 pixels system with facility for ICG fluorescence guided imaging by near infra-red light	Refer Bid Document
	ii	a)4K or 3 D and ICG should both be either in same processor or two separate units as required to give 4K or 3 D and ICG output.	Refer Bid Document
	iii	b) Video processor & Monitor should display true 4K or 3 D colour format.	Refer Bid Document
	viii	Should have compatibility for selecting 4K or 3 D and Full HD output.	Refer Bid Document
	B	The system should be 3D ready for future up-gradation in future technology	Refer Bid Document
	i	The system should be Digital endoscopic video camera with minimum resolution of 1920 X 1080 pixels and progressive scan to guarantee genuine	Refer Bid Document
	iii	1. Kindly delete this point since its one company specific 2. Blue and Green	Refer Bid Document
	iv	The CCU should be complete with all accessories to connect HD or more telescope and process and display the signals in their native resolution.	Refer Bid Document
	vii	Resolution: minimum 1920 X 1080 Pixels	Refer Bid Document
	viii	Kindly revise as All Compatible outputs should be there (12GSDI, D.P) for 4K or Full HD resolution and DVI for HD resolution.	Refer Bid Document
	ix	Should have compatibility for selecting 4K or Full-HD output	Refer Bid Document

	x	1. Remove this point 2. Remove this point 3. Kindly Remove this point or make it optional 4. Please remove as company specific	Refer Bid Document
	C		
	i	Pixels 3840 X 2160 Pixels or 1920 *1080 P	Refer Bid Document
	ii	1. Kindly delete this point since its one company specific 2. Please Remove as company Specific	Refer Bid Document
	iii	Pixels 3840 X 2160 Pixels or 1920 *1080 P	Refer Bid Document
	v	Kindly amend as Lens: Integrated Zoom Lens f=16 to 28 mm	Refer Corrigendum - 1
	xi	Kindly amend as ICG and 4K or 3D in same camera head as required to show 4K/3D and ICG output	Refer Bid Document
	E		
	i	It Should Be Manufacture/Marketed by same OEM, USFDA/EU CE Approved	Refer Bid Document
	F	It should be With Integrated Co2 heating Mechanism	Refer Bid Document
	H		
	ii	Should be compatible with 4K system and for white light or fluorescence imaging for ICG application	Refer Bid Document
	I	Kindly Remove this as separate requirement for Broader participation	Refer Bid Document
	Image and Video recording and data archiving management system:		
	i	1.State of the art user friendly medical grade system from same OEM of 4K or 3D camera system (certified to be used in OT) should be offered with following features: 2. Should be same from same OEM or marketed by same OEM	Refer Bid Document
	iii	Should be a 4K UHD or 3 D medical grade video and still images recorder (optional with Audio)	Refer Bid Document
	iv	Playback of 2D and 4K UHD or 3 D content	Refer Bid Document
	vi	Should have BIS/ROHS/ISO/FDA or CE	Refer Bid Document

	xiv	Input / recording resolution: 4K or 3 D ,1080p ,1080i, 720p,NTSC &PAL	Refer Bid Document
	xvi	1. User should have full control of the system from the sterile field via buttons or foot switch. 2.User should have full control of the system from the sterile field via buttons, foot switch	Refer Bid Document
	ADDITIONAL ACCESSORIES:		
	iv	1. Should be low temp sterilization (ETO, FA, Sterrad etc) 2. NO Changes Required 3. DISINFECTANT: - Aldehyde Free Medical Device Disinfectant contain 0.25% w/v at 16.2g/liter per acetic acid generated import in-situ from tetra methyl ethylene diamine (TAED) and Sodium Per carbonate, surfactants, corrosion inhibitor, excipients. Powder based effective against Bacterial spores in 10 minutes. Should be ISO/CE approved. - 2 Bottle	Refer Corrigendum - 1
14	Others terms and conditions:		
	i	1. Imaging Equipment is & instruments except Hysteroscopy resectoscope, Gynae instruments set should be from same manufactures / OEM to avoid compatibility issues and to get better service support throughout the warranty & CMC. 2. From same OEM or from reputed make have USFDA/EU-CE Approval. 3. For Laparoscopic hand instrument -It should be manufacture/ Marketed by same OEM	Refer Bid Document
15	Warranty & CMC		
	iii	Imaging Equipment's & instruments are from same manufactures / OEM except Cystoscope to avoid compatibility issues and to get better service support throughout the warranty & CMC	Refer Bid Document
16	Standards, Safety and Training		
		Should have USFDA /ISO/BIS/ROHS Compliant.	Refer Bid Document

Sd/-

Dr. Anup Burman

Director of Medical Education, Khanapara, Guwahati