

HSCC (India) Ltd

AMENDMENT – II

Dated:- 10.1.2014

Subject: Amendment to the tender Enquiry Document.

Ref: Tender Enquiry No.: HSCC/PUR/AIIA/HOSPITAL EQUIPMENT/2013

The pre-bid meeting for the referred tender enquiry was held on 10.12.2013 & 11.12.2013. The following amendments are being incorporated in the referred tender enquiry document.

For :

Package - 60

1	Digital Mobile X-Ray Unit	1	300,000
2	500 mA Digital Fluro Radiography System	1	

Read As :

Package – 60 (A)

1	Digital Mobile X-Ray Unit	1	1,60,000
---	---------------------------	---	----------

Package – 60 (B)

1	500 mA High Frequency X-Ray unit with Image Intensifier	1	1,40,000
---	---	---	----------

HSCC (India) Ltd

PACKAGE NO. 37 SINGLE PUNCTURE LAPARASCOPE

Point No.	Existing Tender Specification	Amendment requested by Bidder	Amended by AIIA / HSCC
3.3	<p>Full High Definition(HD) Endoscopic camera with T.V. medical grade monitor and printer</p> <p>A.2)Endoscopic High Definition Camera (Digital)</p> <ol style="list-style-type: none">1. 3X1/3 CCD image sensor.2. Should have progressive scanning and should support 16:9 format3. Should have option of controlling the compatible endoscopic units in hands of surgeon/ touchscreen4. Should be compatible with 23- 26 inch monitor 16:9 HD format5. Upgradeable6. Resolution should be 1900 x 1080p or more7. Light weight camera head with programmable function key8. PAL system/ multimedia as existing in this country9 Automatic white balancing10. Freely programmable camera head buttons11. Cable should have buckling protection12. Facilities for fine focus for smooth function. Microprocessor controlled.13. Built in antifogging device.		Point 3.3 stands Deleted.

HSCC (India) Ltd

	<p>14. Camera head should be compatible with telescope of any make and light of any make.</p> <p>15. Integrated universal power supply</p> <p>16. Compatible with medical grade monitor with multimedia projection available in this country.</p> <p>17. Should have specific built in facility for camera functionality automatically optimizing all settings</p> <p>18. Camera should be ready to use as soon as it is connected to camera control unit.</p> <p>19 Universal coupler</p> <p>20. Inbuilt electronic Fibre optic filters</p> <p>B.2) Camera Control Unit</p> <p>1. Should have microprocessor control</p> <p>2. The Camera CCU should be capable of either down-converting HD signals to SD or up-converting SD signals to HD.</p> <p>3. It should have provision of working / compatible with lower models of camera heads.</p> <p>4. . It should allow images from one format to be viewed, on displays in different format ie it is the HD system is compatible with both SD and HD.</p> <p>5. Should have multiple video input and out puts – BNC,RGB,Y/C, DVI-D socket,digitalSDI signal, DV for digital recording etc</p> <p>6. Should have all necessary connecting</p>		
--	--	--	--

HSCC (India) Ltd

	<p>cables between camera head and video monitor</p> <p>C. 2 HD MEDICAL GRADE MONITOR, flat screen,LCD/LED/ TFT MONITOR</p> <ol style="list-style-type: none">1.Desktop or wall mountable2. Multinorm/PAL system color monitor for different color systems existing in the country.3. Compatible with endovision camera of any makes4.Screen size diagonal 23/24/26" Ultra high resolution, more than 2 MP.5.Aspect ratio 16:106. Should preferably have advanced technology feature to perform interlace to progressive conversion of the image.7. Number of colors should be approximately 16.8 million.8. Viewing angle should be wide9. Monitor menu displays all controls, capabilities and operations via curser keys, user defined captions, easy to use and highly dependable.10. Should be composite, have multiple video input and out puts – BNC, RGB, Y/C, SDI, DVI etc11. Power supply of 200-240 VAC. 50 /60Hz12.Should have facilities for recording the data on computer /digital Video recorders/CD13. On screen menu for monitor setting		
--	---	--	--

HSCC (India) Ltd

	<p>, Compact and light weight ,Drip water protected dust proof , all connecting cables to be supplied</p> <p>14. Brightness 400cd/m2, contrast ratio 1000:1</p> <p>15. Antireflection quoted front glass.</p> <p>16. Should have consistent illumination level.</p> <p>17. Should preferably have facility for upgradation and should be compatible with lower models.</p> <p>18. Should be supplied with power supply, monitor stand and mains cord</p> <p>19. Camera, CCU, & Monitor should be compatible with each other and preferably should be of same make.</p> <p>D) Documentation system for storage and transfer of digital data</p> <p>1- Digital storage of still HD images and video/ audio files. It should have the facility editing/cutting of recorded data.</p> <p>2 Auto detection of the connected camera system on HD_SD/ SD-SDI input</p> <p>5 Archiving on DVD CD- ROM or USB stick, Multi- Session and Multi –Patient</p> <p>6 Network saving</p> <p>7 Automatic generation of standard reports Approved use of computers and monitors in the or environment as per 60601- 1</p>		
--	--	--	--

HSCC (India) Ltd

PACKAGE NO. 37(2 Operative Gynaecological Laparoscope Set)

Point No.	Existing Tender Specification	Amendment requested by Bidder	Amended by AIIA / HSCC
Point -3.4	Full High Definition (HD) Endoscopic camera with TV medical grade monitor and printer	<p>Apart of existing features, kindly add following important point also</p> <ul style="list-style-type: none"> i. Three Chip Camera head should produce at head itself Pure Digital signal with high definition video (1920*1080P) with aspect ratio of CCD chip and video format of 16:9 or 16:10 ii. Should have integrated Digital/optical zoom lens 15-32mm + 10%zoom range, to increase and decrease the size of image which should remain in focusing zone, without readjusting the 	Amendment requested by Bidder stands DELETED .

HSCC (India) Ltd

		<p>focus and fully soakable.</p> <p>iii. Should have port for direct recording of still & video sequences On external hard drive of 1TB and 2 Nos. of this external hard drive to be supplied along with camera.</p> <p>iv. All camera functions to be controlled from camera head buttons or through key board at Camera control unit to make it controllable from both sterile and non sterile zone. The camera should also comply with the following standards: According to :IEC 60601-2-18, UL2601.1 CSA22.2 NO.601.1-M90: - Type of protection against electrical shocks: Protection class I</p>	
--	--	--	--

HSCC (India) Ltd

		<p>- Degree of protection against electrical shocks: Applied part of type CF defibrillator proof</p> <p>According to Medical Device Directive (MDD) the camera should belong to Class I and bear the CE mark in accordance with MDD 93/42/EEC</p> <p>Should have part to connect to communication data BUS.</p>	
--	--	---	--

PACKAGE NO. 60 (ITEM 1 DIGITAL MOBILE X RAY)

Point No.	Existing Tender Specification	Amendment requested by Bidder	Amended by AIIA / HSCC
2. Generator	vi. Shortest Exposure time: Should be 1ms or less	Shortest exposure time should be less than 4ms or less.	Should be 4ms or less
II of 2	Generator It should have digital display of mAS and kV and digital timer	It should have digital display of mAS and kV	No Change
III of 3	X-ray Tube It should have dual focus. Large focus :1.3mm and small focus 0.6mm or better.	It should have single/dual focus. Having 0.8 or better in case of single focus. Large focus :1.3mm and small focus 0.6mm or better in case of dual	No Change

HSCC (India) Ltd

		focus.	
4.Flat Panel Detector System	I. Minimum size of detector must be 14" x 17"	flat Panel Detector of size at least 16" x 16"size.	No Change
	IV. Pixel size / pitch should be 160µm or less	Pixels size should less than 200µm	No Change
IV of 5	The battery should be able to charge from a normal 15A 220-240 V single phase socket in less than 6hrs, preferably.	When fully discharged, the battery should be able to charge from a normal 15A 220-240 V single phase socket in less than 12hrs, preferably.	The battery should be able to charge from a normal 15A 220-240 V single phase socket not more than 12 hrs, preferably.
Point No.4- Flat Panel detector		Request you to kindly specify the detector scintillator whether it should be CSI or GOS.. Also as you are looking for 63% DQE so this is only possible with CSI and since DQE cannot be measured locally. So request you to kindly specify the detector as CSI only.	detector scintillator should be CSI
	A grid of ratio 10:1 of appropriate size preferably 17" x 17" should be supplied	Size of Grid should get changed to 14" x 17" (As detector of size 14" x 17" has been asked therefore grid of same size will be provided.	14" x 17"
	Vendor will get approval for the site plan from AERB for installation of the equipment	Should get DELETED NOT REQUIRED FOR MOBILE UNIT.	Site plan approval not required

HSCC (India) Ltd

V of 2	It should be capable of delivering upto 300mAS in different steps.	It should be capable of delivering upto 200mAS in different steps.	It should be capable of delivering upto 200mAS in different steps.
14.	Company/ supplier should have CE/FDA approval certificate and quoted model should have AERB type approval.	Quoted model should have US FDA & CE certified. And quoted model should have AERB type approval	Quoted model should have US FDA or European CE certified. And quoted model should have AERB type approval
Point No.14	- Company / Supplier should have CE/FDA approval certificate and quoted model should have AERB type approval.	The quoted model must have CE, USFDA and AERB type approval- this will lead to best technical specification for the required product.	The quoted model must have European CE or US FDA and AERB type approval

PACKAGE NO. 60, Item No.2 (500mA Digital Fluro Radiography System).

Point No.	Existing Tender Specification	Amendment requested by Bidder	Amended by AIIA / HSCC
		Kindly add that x-ray tube should be USA FDA approved and manufactured in same country where main equipment is manufactured	Not required
7	Dual Focus X-ray Tube with Large focus 1.0mm and small focus 0.6 mm or smaller.	Kindly change large spot should get changed to 1.2mm We have approval with E7252X having focal spot of	Dual Focus X-ray Tube with Large focus 1.2mm or less and Mention size of small & large Focal Spot.

HSCC (India) Ltd

		0.6 / 1.2mm.	
20	Under table 12 inch image intensifier system with high resolution CCD camera.	PLS Delete 12 inch Image intensifier and instead write: Under table 16 inch Triple field image intensifier systems with high resolution 1 k CCD Camera.	12" or more Rest No change.

PACKAGE NO61. CT SCAN

Point No.	Existing Tender Specification	Amendment requested by Bidder	Amended by AIIA / HSCC
X-ray Section.2:	The System X-ray power should be 70 kw and above	The System X-ray power should be 100 kw and above.	The System X-ray power should be 100 kw and above.
			Point to be added : Dual Energy Applications Application (Should be FDA approved) 1) Calculi Characterization 2) Gout Characterization 3) Monoenergetic imaging
		Oncology Application	Point to be deleted

HSCC (India) Ltd

PACKAGE No. 68: ANESTHESIA WORKSTATION

For :

Should be US- FDA approved product

Read As:

Should be US FDA or CE approved.

All other terms & conditions of bid document shall remain unchanged.

Director (AIIA)