

09-03-2020

Amendment No. 2**Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry HITES/PCD/AIIMS-IV/28/Gen_Surgery/19-20 dated 29-01-2020**

The following changes are being incorporated in the above referred Tender Enquiry Document.

SECTION I**NOTICE INVITING TENDER (NIT)****2) Tender Timeline:****Existing:**

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	12.03.2020, 1200 hrs
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	13.03.2020, 1400 hrs
e.	Time and date of opening of online bids	13.03.2020, 1430 hrs

Read as:

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	26-03-2020, 1200 hrs
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	27-03-2020, 1400 hrs
e.	Time and date of opening of online bids	27-03-2020, 1430 hrs

SECTION - VII**TECHNICAL SPECIFICATIONS**

TECHNICAL AMENDMENT		
NIB Ref: HITES/PCD/AIIMS-IV/28/Gen-Surg/19-20 dated 29-01-2020		
Item No. 1 Electro hydraulic OT table (2020_HLL_41507_1)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 45 Para 1	Electro Hydraulic /Electromechanical / Powered Operating Tables are tables for performing surgical procedures and it works with electrical power.	Should be Electro Hydraulic /Electromechanical Operating Tables for performing surgical procedures and it works with electrical power.

Pg 45 Para 3 d	There should be inbuilt standby control enabling full use of table in case of handset failure with manual/electric override	There should be inbuilt standby control enabling full use of table in case of handset failure with manual/electric override. The standby control should have all the features, which are available on main remote control.
Pg 45 Para 3 j	Should have built in electronic controlled kidney position with additional manual / electronic control Kidney Bridge for better positioning if required	Should have built in electronic controlled kidney position.
Pg 45 Para 3.2 a	Height: 685-1100mm with 50 -70 mm mattress.	Height: 700-1085 mm with 50 -70 mm mattress.
Pg 45 Para 3.2 h	Width: 550 mm or better	Width: 550 mm or better (Excluding side rails)
Pg 46 Para 4.2.h	Optional Accessories (Price of each item should be mentioned separately) A. X-Ray Top for 9" Urology extension B. Metal Drain pan C. Power lift stirrup set with side rail clamp D. Foot control E. Split leg pair F. Reverse Trendelburg restraint strap G. Light weight transfer board.	Optional Accessories (Price of each item should be mentioned separately) A. Deleted B. Deleted C. Power lift stirrup set with side rail clamp D. Deleted E. Split leg pair F. Reverse Trendelburg restraint strap G. Light weight transfer board.
Pg 46 Para 7.1	Should be US-FDA or BIS or European CE with 4 digit notified body number or EC Declaration of Conformity along with ISO 13485 from notified body.	Should be US-FDA or European CE with 4 digit notified body number or Declaration of conformity for quoted model along with ISO 13485 or BIS certified for the quoted model
Pg 46 Para 7.3	Electrical safety conforms to standards for electrical safety IEC 60601-1 General Requirements (or equivalent BIS Standard)	The IEC certificate namely IEC 60601-1(electrical safety), IEC-60601-1-2 (electromagnetic compatability), IEC 60601-2-46(Particular requirements for the safety of Operating Tables) along with full test report as per IEC guideline for the quoted model should be submitted from anyone of the labs mentioned below TUV, SGS, Intertek, UL, SAMEER, Bharat Test House,

		Astute Labs, any other NABL accredited labs or from the labs in their country of origin (incase of foreign manufacturers).
Pg 46 Para 7.4	Shall meet internationally recognised standard for Electro Magnetic Compatibility (EMC) for electromedical equipment: IEC-60601-1-2 :latest edition Or Equivalent BIS) or should comply with 89/366/EEC; EMC-directive as amended	Deleted
Pg 46 Para 7.5	Certified to be compliant with IEC 60601-2-46 : Particular requirements for the safety of Operating Tables: latest edition or equivalent from NABL accredited Lab or Internationally accredited lab.	Deleted
Pg 47 BOQ Para 11 A.	X-Ray Top for 9" Urology extension - 1 set each	Deleted
Pg 47 BOQ Para 11 B.	Metal Drain pan - 1 set each	Deleted
NA	Added Para	Added Para: The bidder should arrange a technical demonstration of the quoted model before the Technical Committee, if required.
Item No. 2 Hydraulic OT table (2020_HLL_41507_2)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 48 Para 3.2 a.	Height: 700-1040 mm (with 50 -70mm mattress)	Height: 750mm to 1040mm (with 50- 70mm mattress)

Pg 48 Para 3.2 h.	Width: 550 mm	Width: 550 mm or better (Excluding side rails)
Pg 49 Para j.	Optional accessories for endourology work	Deleted
Pg 49 Para 6.1	Should be US FDA or European CE approved product	Should be US-FDA or European CE with 4 digit notified body number or Declaration of conformity for quoted model along with ISO 13485 or BIS certified for the quoted model
Pg 49 Para 6.3	International Safety standards like IEC 60601-2-46 or equivalent if applicable	Deleted
NA	Added Para	Added Para: The bidder should arrange a technical demonstration of the quoted model before the Technical Committee, if required.
Item No. 3 Laparoscope set (2020_HLL_41507_3)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 50 Para d)	Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D socket, HDTV-DVI-D, DV for recording	Video Outputs : minimum 2nos of DVI/HD-SDI/HDMI
Pg 50 Para g)	Technical Specifications :- Facility of direct recording into external storage from camera HUB should be available	Facility of direct recording into external storage from camera HUB should be available (Optional)
Pg 50 Para 3.1 e)	The system should have integrated optical zoom with autofocus facility	The system should have optical zoom & Digital zoom
Pg 50 Para 3.1 h) a)	Image Sensor 3 x 1/3 Progressive scan CCD Chip	3 x 1/3 Progressive scan CCD or 3 x 1/3 Progressive scan CMOS
Pg 50 Para 3.1 h) d)	Video Outputs Composite to BNC, Y/C to S-VHS, RGB to D socket, HDTV-DVI-D, DV for recording	Video Outputs : minimum 2nos of DVI/HD-SDI/HDMI
Pg 50 Para 3.2 b)	26" Medical grade Full HD, LED Crystal display	26" or more Medical grade Full HD, LED/ backlit LED Crystal display.
Pg 50 Para 3.2 c)	Resolution: More than 1100 lines and 1920 x 1200 pixels	Resolution : 1920 x 1080 pixels or more

Pg 50 Para 3.2 d)	SDI/HD-SDI, Composite, S-Video, RGB, DVI-D and VGA input	SDI/DVI/HD-SDI/HDMI Input
Pg 51 Para 3.3 1.	5 mm - 30 degree angle of view	5 - 5.5mm - 30 degree angle of view
Pg 51 Para 3.3 1.	5 mm - 0 degree straight view (each approximately 27-30 cm long)	5 - 5.5 mm - 0 degree straight view (each approximately 27-30 cm long)
Pg 51 Para 3.4 2.	Adjustable flow rate till a maximum of 30-45 litres per minute and pressure range adjustable between 0 to 30 mm Hg	Adjustable flow rate of 45 litres per minute or more and pressure range adjustable between 0 to 30 mm Hg
Pg 51 Para 3.4 5.	Control by keys on front panel	Control by keys on front panel or by touch screen
Pg 51 Para 3.5 1.	Xenon cold light fountain with 300 watts xenon lamp	Xenon cold light fountain with 300 watts xenon lamp/ LED light source equivalent to 300 W Xenon lamp
Pg 51 Para 3.5 4.	Display of lamp life/Bulb usage meter warning light	Display of lamp life/Bulb usage meter warning light in case of Xenon lamp or minimum 5000 hours lamp life in case of LED
Pg 51 Para 3.6 3.	Suction pressure control between 0.75 bar	Suction pressure control between 0.6 bar or more
Pg 51 Para 3.6 5.	Main unit with digital display	Main unit with digital display/ touch pad
Pg 52 Para 3.8 f).	Latest processor & HDD (atleast 500GB)	Latest processor & HDD (atleast 1 TB or more)
Pg 52 Para 3.9	CARBON DIOXIDE CYLINDER (B-type,20kg)	CARBON DIOXIDE CYLINDER (B-type, 10kg x 2 nos)
Pg 52 Para 3.10	Reusable Veress Pneumoperitoneum Needle Spring loaded blunt stylet luer lock Length - 10cm -15cm - 2	Reusable Veress Pneumoperitoneum Needle - Spring loaded blunt stylet luer lock length - (10 -12cm) and 15 cm - 2 each
Pg 52 Para 3.10	Reusable Trocar :- 5mm Multifunctional valve/Magnetic ball, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable - 5	Reusable Trocar:- 5-6mm Multifunctional valve/Magnetic ball, insufflation stopcock and smooth sleeves, pyramidal tip, length (10-11cm) , autoclavable - 5 nos

Pg 52 Para 3.10	Reusable Trocar :- 10/11mm Multifunctional valve/Magnetic ball,, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable - 4	Reusable Trocar:- 10/11mm Multifunctional valve/Magnetic ball, insufflation stopcock and smooth sleeves, pyramidal tip, length (10-11cm), autoclavable - 4 nos
Pg 52 Para 3.10	Reusable Trocar :- 5mm Multifunctional valve/Magnetic ball,, insufflation stopcock and threaded sleeves, pyramidal tip, length (10.5cm), autoclavable - 2	Reusable Trocar:- 5-5.5mm Multifunctional valve/Magnetic ball, insufflation stopcock and threaded sleeves, pyramidal tip, length(10-11cm), autoclavable - 2 nos
Pg 52 Para 3.10	Reusable Trocar :- 13.5mm Multifunctional valve/Magnetic ball, insufflation stopcock and smooth sleeves, pyramidal tip, length (10.5cm), autoclavable - 1	Reusable Trocar:- 12.5-13.5mm Multifunctional valve/Magnetic ball, insufflation stopcock and smooth sleeves, pyramidal tip, length(10-11cm), autoclavable - 1 no
Pg 53 Para 3.10	Two ways Suction and Irrigation cannula Size 5mm, length 36cm, used with suction and irrigation handle and handpiece with stopcock - 2 nos Size 10mm, length 36cm, used with suction and irrigation handle and handpiece with stopcock- 2 nos	Two ways Suction and Irrigation cannula Size 5mm, length 33-36cm , used with suction and irrigation handle and handpiece with stopcock - 2 nos Size 10mm, length 33-36cm , used with suction and irrigation handle and handpiece with stopcock- 2 nos
Pg 53 3.10	Tissue Grasping Forceps - toothe 2x3 teeth -Double action jaws of 20-23 mm , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no	Tissue Grasping Forceps - toothe 2x3 teeth -Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no
Pg 53 3.10	Tissue Grasping Forceps - toothe 2x3 teeth - Single action jaws of size 30-35mm , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no	Tissue Grasping Forceps - toothe 2x3 teeth - Single action jaws , rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no
Pg 53 3.10	Maryland forceps- Double action jaws with size 14-16 mm ,rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable - 2 os	Maryland forceps- Double action jaws, rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable - 2 nos

Pg 53 3.10	Grasping forceps- Atraumatic -Double action jaws, spoon shaped with multiple teeth of jaw length 18-23 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable- 1 no	Grasping forceps- Atraumatic - Double action jaws, spoon shaped with multiple teeth of jaw and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable- 1 no
Pg 53 3.10	Dissecting and Grasping forceps-Single action jaw , with dolphin nose tip of 16-20 mm, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchet, autoclavable	Dissecting and Grasping forceps- Single action jaw, with dolphin nose tip, rotating with connector pin for unipolar coagulation, size 5mm, length 33- 36cm, dismantling facility, plastic handles without ratchet, autoclavable
Pg 53 3.10	Grasping forceps- Atraumatic – Reddick Olsen type Double action jaws, with fine serrations on jaw length 12-18 mm and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable	Grasping forceps- Atraumatic – Reddick Olsen type Double action jaws, with fine serrations on jaw and rotating with connector pin for unipolar coagulation, size 5mm, length 33-36cm, dismantling facility, plastic handles without ratchet, autoclavable
Pg 53 3.10	Grasping forceps- Fenestrated Single action straight jaw of 24-26mm length with fine serrations and fenestration , rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable	Grasping forceps- Fenestrated Single action straight jaw with fine serrations and fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable
Pg 53 3.10	Grasping forceps-Fenestrated Double action straight jaws of 35-40 mm length with fine serrations and fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no	Grasping forceps-Fenestrated Double action straight jaws with fine serrations and fenestration, rotating, size 5mm, length 33-36cm, dismantling facility, plastic handles with ratchet, autoclavable - 1 no
Pg 54 3.10	Fan shaped retractor - Rotating with 4-5 blades, size 5mm, length 33- 36cm, dismantling facility - 1 no	Fan shaped retractor - Rotating with 3-5 blades , size 5mm, length 32- 36cm , dismantling facility - 1 no
Pg 54 3.10	Extracorporeal Knot pushers -	Extracorporeal Knot pushers - closed Eye type, length 28-33 cm , size 3-5 mm
Pg 55 3.10	Fascia closure instrument - Size 2.8mm, length 17cm with single action jaw - 1 no	Fascia closure instrument - size 2.0-2.8 mm , length 16-17cm with

		pin for cautery
Pg 55 Para 4.1	System as specified. Telescope, Light source, Camera Head, Image Management system, CO2 insufflator Suction-irrigation from same make. 80% of the Hand Instruments should be of same make of principal system.	System as specified. Telescope, Light source, Camera Head, Image Management system and CO2 insufflator should be of same make. All hand instruments should be from same principal manufacturer; incase any of the instrument is not manufactured by the principal manufacturer, the same shall be offered from a second manufacturer; not exceeding 30% of total quantity of hand instruments. However, the bidder is allowed to quote instument(s) from maximum two manufacturers including the principal manufacturer. (In this case the principal manufacturer should submit an undertaking for non production of the such instrument(s)). Instrument from second manufacturer also should have similar certification as asked in tender and the same should be submitted along with bid.
Pg 55 8.2	All the instruments mentioned in Technical specifications Sl no 3.1 to 3.10 (Not necessary for Sl no 3.9 & 3.7) should be from the same manufacturer.	Deleted
Item No. 4 Open Surgery Instrument (2020_HLL_41507_4)		
Tender Page & Para	TENDER SPECIFICATION	READ AS

NA	NA	Added Para: 2.1.6 All instruments should be from same principal manufacturer ;incase any of the instrument is not manufactured by the principal manufacturer the same shall be offered from a second manufacturer; not exceeding 20% of total quantity of instruments. (In this case the principal manufacturer should submit an undertaking for non production of the such instruments).
NA	NA	Added Para: 2.1.7 Deviation of +/- 10 % is acceptable in instrument size 2.1.8 All Surgical instruments should be made of 4 series AISI 420 and AISI 410 steel and certified copy must have to submit at the time of tender submission.
Page 56, Para 2.1.3	Instrument should be European CE or USFDA or BIS approved & copy to be enclosed	All instruments should be ISO 7153-1:2016 certified and a copy of the same should be enclosed with bid.
Page 56, Para 2.1.4	The instruments must be ISO certified and copy to be enclosed	Manufacturer should be ISO 13485 certified.
Item No. 5 ESU (2020_HLL_41507_5)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 62 Para b	Should provide monopolar output for cut, coagulation (fulguration & spray) & blend	Should provide monopolar output for cut, coagulation (fulguration/forced Coag & spray) & blend/Dry Cut

Pg 62 Para p	<p>All the Accessories should be mentioned in BOQ and rate of each accessories should be quoted seperately which should be valid for the entire warranty period.</p> <p>The unit should be supplied with all standard accessories such as – Reusable push button Handpiece – 2 nos /Disposable - 200 nos, Electrode set of 10 Nos. each (Pin point, flat tip-short, flat tip- long blade), Explosion protective double pedal foot switch – 1 no, Reusable Siliconearth pad – 2/Disposable - 200 nos, bipolar forcep with cord straight & angled (18-19.5cm & 19-22.5cm) -2 nos each. All accessories should be of same make of Main Equipment</p>	<p>All the Accessories should be mentioned in BOQ and rate of each accessories should be quoted seperately which should be valid for the entire warranty period.</p> <p>The unit should be supplied with all standard accessories such as – Reusable push button Handpiece – 2 nos /Disposable - 100 nos, Electrode set of 10 Nos. each (Pin point, flat tip-short, flat tip- long blade), Explosion protective double pedal foot switch – 1 no, Reusable Siliconearth pad – 2/Disposable - 100 nos, bipolar forcep with cord straight & angled (18-19.5cm & 19-22.5cm) -2 nos each. All accessories should be of same make of Main Equipment</p>
Pg 62 Para q	<p>The equipment should be European CE with 4 digit notified body no or US FDA safety standard. It should have IEC 60601-1 certificate</p>	<p>The equipment should be European CE with 4 digit notified body number or US FDA certified. It should have IEC 60601-1, 60601-1-2 and IEC 60601-2-2 certificate from NABL accredited or Medical Equipment Testing Laboratory or from the authorized labs in their country of origin (incase of foreign manufacturers).</p>
Item No. 6 Ultrasonic Cutting & coag. (2020_HLL_41507_6)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
	Item Name: Ultrasonic Cutting & coag.	Ultrasonic cutting & coagulation with advanced RF/ Bipolar energy & Monopolar energy system
Pg 63 Para SN	Ultrasonic cutting & coagulation , advanced Radio frequency/Bipolar energy system	Ultrasonic cutting & coagulation , advanced Radio frequency/Bipolar energy system, Monopolar energy & Under water cutting

Pg 63 Para A 1	System should be a single/dual generator with single/dual footswitch that provides ultrasonic energy and advanced RF energy technology for soft tissue dissection and vessel sealing	System should be a single/dual generator with single/dual foot switch that provides ultrasonic energy, monopolar cutting and coagulation, bipolar cutting and coagulation (Note: At all places RF to be read as RF/HF)
Pg 63 Para A 2	Should have the ability to select hand switch or footswitch activation or both for ultrasonic and advanced RF energy instruments and the ability to change selection during use can seal and transect vessel upto 7mm with system feedback mechanism for better patient safety.	Should have the ability to select hand switch or footswitch activation or both for instruments and the ability to change selection during use can seal and transect vessel upto 7mm with system feedback mechanism for better patient safety.
Pg 63 Para 6	Should be able to power ultrasonic energy instruments with 35 KHz and above frequency.	Should be able to power ultrasonic energy instruments with 35KHz and above frequency , Monopolar cutting 320-400W, Monopolar Coagulation:120W or more, Bipolar cutting 100W or more, Bipolar coagulation 120W or more. [Monopolar and Bipolar should be underwater compatible]
Pg 64 Para 9	Should be equipped with smart advanced RF energy technology to measure the tissue impedance and control the power delivery and that can simultaneously seal and transect vessels up to 7mm, large tissue pedicles and vascular bundles with system feedback.	Deleted
Pg 64 Para 10	Should be compatible with 360 deg shaft rotation and can simultaneously seal and transect vessel upto 7mm, large tissue pedicles and vascular bundles with system feedback	Should be compatible with 200 deg or more shaft rotation and can simultaneously seal and transect vessel upto 7mm, large tissue pedicles and vascular bundles with system feedback
Pg 64 Para 12	Should be compatible with integrated RF/bipolar or ultrasonic energy instruments which can simultaneously seal and transect vessels 7mm, large pedicles and vascular bundles with ultrasonic energy with system feedback	Deleted
Pg 64 Para 16	Should provide class I protection against electric shock	Deleted

Pg 65 Para 3	Hand piece/Hand pieces (transducer) compatible with various hand instruments used in open and laparoscopic surgeries. Sufficient number of transducers so as to last 90 cases to be supplied (Certificate from OEM regarding life of each transducer)	Hand piece/Hand pieces (transducer) compatible with various hand instruments used in open and laparoscopic surgeries. (Certificate from OEM regarding life of each transducer)
Pg 65 Para 4	Ultrasonic 5 mm Laparoscopic hand activated curved tip coagulating probe Quantity 2 nos	Ultrasonic 5 mm Laparoscopic hand activated curved tip coagulating probe Quantity - 10 nos
Pg 65 Para 5	Ultrasonic hand activated curved tip coagulating probe for open surgery: Quantity 2nos	Ultrasonic hand activated curved tip coagulating probe for open surgery: Quantity - 10 nos
Pg 65 Para 6	Advanced RF/Bipolar 5 mm Laparoscopic hand activated curved tip coagulating probe: Quantity 2 nos	Advanced RF/Bipolar 5 mm Laparoscopic hand activated curved tip coagulating probe: Quantity - 10 nos
Pg 65 Para 7	Advanced RF/Bipolar hand activated curved tip coagulating probe for open surgery Quantity 2 nos	Advanced RF/Bipolar hand activated curved tip coagulating probe for open surgery Quantity 10 nos
		Added para : C.8: Monopolar accessories: Reusable forcep/pencil with reusable cable : 1no Electrode for monopolar pencil/forcep: 5 no Reusable patient plate with reusable cable: 1 no Reusable bipolar forceps with reusable cable: 1
Item No. 7 ESU with vessel sealing (2020_HLL_41507_7)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 66 Para 3.2	Should provide monopolar output for cut, coagulation (fulguration & spray) & blend in multiple levels	Should provide monopolar output for cut, coagulation (fulguration/forced Coag & spray) & blend/Dry Cut in Multiple levels
	NA	Added Para: 7.4 It should have IEC 60601-1, 60601-1-2 and IEC 60601-2-2 certificate from NABL accredited or Medical Equipment Testing Laboratory or from authorized labs in their country of origin

		(incase of foreign manufacturers).
Item No. 8 Suction Machine (2020_HLL_41507_8)		
Tender Page & Para	TENDER SPECIFICATION	READ AS
Pg 69 Para 1.3	Suction capacity should be 50-60L/ min & twin bottle capacity of 3L each	Suction capacity should be 50- 60L/ min & twin Polysulfone/Polycarbonate bottle capacity of 3L each
Pg 69 Para 1.8	Should have 4 castors with 2 of them have breake	Should have 4 castors with 2 of them with brakes

Item 08 - ENT Workstation		
Tender Page & Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
Page 53, Para 3	At least 1 drawer with dividers.	At least 3 drawers with dividers and with 1 UV sterilizer.
Page 53, Para 8	Writing drawer/dressing plate/X-ray viewer on the same horizontal platform with illumination. X ray viewer as different vertical attachment is not preferable.	Deleted
Page 53, Para 10	Extension fitted with halogen head mirror lamp with adjustable intensity.	Deleted
Page 53, Para 11	Should be fitted with glove, cotton and tissue/ paper dispenser drawer.	Should be fitted with glove, cotton and tissue/ paper dispenser drawer/ container
Page 53, Para 12	Separate endoscopy recording system (from the same manufacturer).	One recording system to be provided for both endoscope and microscope .
Page 53, Para 12 a)	This recording system should be separate from the imaging and recording system integrated with the microscope.	Deleted
Page 53, Para 12 c)	High performance using at least i-5 processor or better. At least 500 GB of memory. Capable of recording at least 15 hours of video or at least 10,000 images.	High performance using at least i-5 processor or better. At least 1 TB SSD. Capable of recording at least 15 hours of video or at least 10,000 images.
Page 53, Para 12 g)	Should have ability to generate dvi and/or mpeg4 videos. Ability to generate jpeg and tiff images of at least 600 dpi. Capable of taking at least 180 images per second.	Should have ability to generate dvi and/or mpeg4 videos.
Page 53, Para 12 h)	At least 15 inch Full HD Monitor with foldable attachment on main unit of recording system. 40-45o tillable backwards. Viewing angle 170o - 180° horizontal and vertical.	21 inch or more Full HD (1920 x 1080p) monitor for recording system
Page 53, Para 12 j)	Touch screen should also be operable with gloves and also by mouse & keyboard. Result finding tagging by touching the image. Mouse and keyboard wireless attachment.	Deleted
Page 53, Para 12 l)	Capable of connecting two monitors with automatic switching between them.	Deleted
Page 53, Para 12 m)	Should have incorporated global shutter technology so that it can be used for stroboscopy.	Deleted
Page 53, Para 12 o)	C-MOS technology with high sensitivity to light.	C-MOS/ CCD technology with high sensitivity to light.
Page 53, Para 12 p)	Data can be sent to printer via LAN and be saved directly to USB stick or internal memory.	Data can be sent to printer and LAN and be saved directly to USB stick or internal memory.

Page 53, Para 12 q)	A laser coloured multifunction (copy, scan and print) printer for printing reports be provided with the device. It is permissible for that a printer be of different manufacturer but should be European CE or US FDA approved.	A laser coloured multifunction (copy, scan and print) printer for printing reports be provided with the device. It is permissible for that a printer be of different manufacturer
Page 53, Para 12 r)	Should be compatible with Microsoft windows XP , 7, and/or the latest versions.	Should be compatible with Microsoft windows 10 or more , and/or the latest versions.
Page 53, Para 13	Cautery power output with banana sockets in front panel. Integrated with the main unit. 50 Watt high frequency electrosurgical unit, Monopolar accessories & set of cautery probes should be supplied.	Deleted
Page 53, Para 14 b)	Capacity: 55 ltr/min to 70 ltr/min, vacuum: -80 to -98kpa, with secretion collection of 1ltr/1.5ltr with automatic secretion canister evacuator system.	Capacity: 40 ltr/min to 70 ltr/min, vacuum: -80 to -98kpa, with secretion collection of 1ltr/1.5ltr with automatic secretion canister evacuator system.
Page 53, Para 14 d)	Should have facility of hose rising the suction tube to avoid any growth of Bactria/fungus in the suction tubing.	Should have facility of hose rinsing the suction tube to avoid any growth of Bactria/fungus in the suction tubing.
Page 53, Para 14 e)	Suction Cannulas 1.0 to 4.0 mm (Preferably 4 sizes).	Suction Cannulas 1.0 to 4.0 mm (4 different sizes).
Page 53, Para 15 a)	Should preferably have compressed air system have a tank for compressed air so that compressor is not required repeatedly.	Should have compressed air system .
Page 54, Para 15 e)	Manometer in front panel	Manometer / pressure display in front panel
Page 54, Para 15 g)	Max. pressure: 0.1 to 4 bar	Max. pressure: ≥ 2 bar
Page 54, Para 15 i)	Suction tube cleaner with exchangeable reusable stainless steel adapter.	Deleted
Page 54, Para 16 a)	0° & 30° - 2.7 mm - 110 -140 mm working length	0° - 2.7 mm - 160 -180 mm working length
Page 54, Para 16 b)	0° & 30° - 4 mm - 175 -180 mm working length	0° - 4 mm - 160 -180 mm working length
Page 54, Para 16 c)	70° with handle (angle of view, 4 mm diameter, 175 -180 mm working length)	Deleted
Page 54, Para 16 d)	Oto-endoscope 0° & 30° (Length 5-6cm approx, diameter 2.7mm).	Oto-endoscope 0° (Length 4-7cm approx, diameter 2.7mm).
Page 54, Para 16 e)	90°Tele laryngo-pharyngoscope, magnifier scope (4X), fibre optic light transmission, air insufflation channel , adjustable focus.	90°Tele laryngo-pharyngoscope, magnifier scope (4X), fibre optic light transmission, adjustable focus.

Page 54, Para 16	Suitable fibroptic chords or light carriers for endoscopes. Disinfection and warming quivers for endoscopes preferably placed in extension arm (preferably for 5 endoscopes). Preheating quivers disinfection quivers, disinfection quivers, disinfection time control, removable and disinfectable quivers for flexible scopes. Both USFDA and European CE approved and inclusion subject to demonstration if asked for by experts.	Disinfection and warming quivers for endoscopes preferably placed in extension arm (preferably for 4 endoscopes). Preheating quivers disinfection quivers, disinfection quivers, disinfection time control, removable and disinfectable quivers for flexible scopes.
Page 54, Para 17 a)	With for ear syringing and caloric testing.	With for ear syringing having body temperature.
Page 54, Para 17 b)	Electronic temperature control of water temperature.	Deleted
Page 54, Para 17 c)	Autoclavable handles with snap closure system and fine regulation valve.	Deleted
Page 54, Para 17 d)	Should preferably have a separate stainless steel tank.	Deleted
Page 54, Para 19	Pre-heater for up to 60 mirrors of different sizes mounted on pull-out tray. Removable block for sterilization. Mirror re-warmer with the single handed heating function.	Deleted
Page 54, Para 20	Microscope	Microscope with beam splitter
Page 54, Para 20 a)	With 3-5 step magnification changers	With 3 - step magnification changers
Page 54, Para 20 f)	3 to 5 step magnification changer	Deleted
Page 54, Para 20 g)	Inbuilt LED light source in the camera head.	Inbuilt LED light source in the microscope
Page 54, Para 20 h)	HD Camera with microscope with a facility to take images, video with arching software.	Deleted
Page 54, Para 20 i)	Supplied with a Laptop (i5 processor, 6 GB RAM, 64 BIT operating system, ≥3.3 GHz, at least 2 years onsite warranty covering physical damage with 3 years extended warranty of the manufacturer). It is permissible for that a laptop be of different manufacturer but should be European CE or US FDA approved.	Deleted
Page 54, Para 20 j)	Digital Video Camera with PAL/NTSC video system, CCD sensor 1/3"	Deleted

Page 54, Para 20 k)	Automatic white balance with control on base unit and also on camera. Integrated Zoom lens. Instrument coupling for rigid endoscopes. Enlarged view.	Deleted
Page 54, Para 20 l)	Preset function keys on camera for control of functions and focus.	Deleted
Page 54, Para 20 n)	C-mount adaptor 28mm, waterproof	Deleted
Page 54, Para 20 o)	Long camera cable with minimum length 300cm.	Deleted
Page 54, Para 20 p)	16" TFT monitor, LCD flat screen. Not same as in point number 12.	Deleted
Page 54, Para 20 q)	Swivel arm mounted on microscope column for video monitor.	Deleted
Page 54, Para 21	Both USFDA and European CE approved and inclusion subject to demonstration if asked for by experts.	Deleted
Page 54, Para 22	Integrated fibre optic light source for telescopes with 4 fibre optic cable. Cold light source (Preferably LED) Intensity adjustable from 50- 150W. Heat absorbance filter and ventilation system. Four outlets for light cable. It will be preferable if light source is placed near the endoscopic quivers.	Integrated fibre optic light source for telescopes with 4 fibre optic cable. Cold light source (LED light source equivalent to 150W of Xenon lamp) Intensity adjustable.
Page 54, Para 23	Fibroptic head light.	Battery operated LED head light
Page 55, Para 23 e)	Spare lamp for head light.	Deleted
Page 55, Para 23 f)	Compatible with light source housed in main unit.	Deleted
Page 55, Para 25 b)	Seat should have motorized lifting device. Lifting range 30 cm. Height 50 to 82 cm.	Seat should have motorized lifting device. Lifting range of 25 cm. With minimum Height of 55 cm
Page 55, Para 25 c)	Integrated foot switch for easy adjustment of height.	Integrated foot switch for easy adjustment of height and back rest
Page 55, Para 25 d)	Should have complete rotation 360 degree with locking device.	Should have complete rotation 340 degree with locking device.
Page 55, Para 25 f)	Backrest should recline to horizontal position and -100 to Trendelenberg position and adjustable head rest.	Backrest should recline to horizontal position and adjustable head rest.
Page 55, Para 25 h)	Electric rotation 1800.	Deleted

Page 55, Para 25 i)	Should confirm US FDA and European standards.	Deleted
26	Separate Instrument Cabinet Unit	Deleted
Page 55, Para 26 a)	Should have stainless steel top with large instrument surface with aluminium trays and set of stainless steel dividers.	Deleted
Page 55, Para 26 b)	Dust cover, integrated waste container with foot pedal.	Deleted
Page 55, Para 26 c)	Removable drawer for used instrument along with compartment for bottles.	Deleted
Page 55, Para 26 d)	It should have drawers for storage and instrument drawers with aluminium, trays and set of stainless steel dividers.	Deleted
Page 55, Para 26 e)	The unit should be mobile on castors.	Deleted
Pg 55 Para 27	Head mirror rest with automatic on/off switch.	Head light rest
Page 55, Para 29 g)	All essential components should of the same manufacturer.	All components should be from same principal manufacturer; incase any of the component is not manufactured by the principal manufacturer the same shall be offered from a second manufacturer; (In this case the principal manufacturer should submit an undertaking for non production of the such instruments). All the quoted components should be USFDA or European CE with 4 digit notified body nubur or BIS certified.
		Added para: Fibre optic laryngoscopes A. General Specifications: 1. Should have large viewing angle and movable distal tip for better orientation 2. Waterproof, fully immersible for cleaning and disinfections 3. Sterilizable with ETO gas, steris and sterrad 4. Resistant construction and robust mechanics B. Technical Specifications: 1. Direction of view: 0 deg. 2. Angle of view: 80-100 deg. 3. Working length: 20-25 cm or better 4. Outer diameter: 4-5.5 mm 5. Instrument Channel: 1.4 -2.5mm 6. Deflection: Upward: 130 deg or more, Downward: 110 deg. Or more

Item 09 - Surgical instruments		
Tender Page & Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
Ear Surgery instruments		
Page 56, Para 1	Chisel, 2mm. Jenkins. 14cm/5.5"- 2 nos	Deleted
Page 56, Para 2	Chisel, 4mm. Jenkins. 14cm/5.5"- 2 nos	Deleted
Page 56, Para 3	Chisel, 8mm. Jenkins. 14cm/5.5"- 2 nos	Deleted
Page 56, Para 4	Gouge, 2mm. Jenkins. 14cm/5.5" - 2 nos	Deleted
Page 56, Para 5	Gouge, 4mm. Jenkins. 14cm/5.5"- 2 nos	Deleted
Page 56, Para 6	Gouge, 8mm. Jenkins. 14cm/5.5"- 2 nos	Deleted
Page 56, Para 7	Mallet. OD 20mm. 100gms. 16.5cm/6.5"- 2 nos	Deleted
Page 56, Para 9	Punch/Rongeur. Kerrison. 2mm-Up Bite. 9cm/3.25" - 2 nos	Deleted
Page 56, Para 10	Punch/Rongeur, Kerrison. 4mm Up Bite. 9cm/3.25"- 2 nos	Deleted
Page 56, Para 11	Curette, No:4/0. Lempert. Hollow handle. 21cm/8.25"- 4 sets	Deleted
Page 56, Para 12	Curette, No:2/0. Lempert. Hollow handle. 21cm/8.25"- 4 sets	Deleted
Page 56, Para 13	Curette, No:1.Lempert. Hollow handle. 21cm/8.25" - 4 sets	Deleted
Page 56, Para 15	Raspatory/Rugine. Lempert. 5mm. 16cm/6.5"- 4 nos	Deleted
Page 56, Para 26	Eustachian Catheter, Kramer/Hartmann. 12mm/6 Tip. 14cm/5.5"- 3 nos	Deleted
Page 56, Para 27	Jobson Horne Probe, D/E. Serrated. Tip & smooth Straight Ring 14cm/5.5" - 6 nos	Deleted
Page 56, Para 28	Hook, Cerumen/Wax. K E M. 15cm/6" - 3 nos	Deleted
Page 56, Para 29	Loop, wire. 3mm. Billeau. 16cm/6.5"- 3 nos	Deleted
Page 57, Para 43	Snare, Aural, Ballance/Krause. 15cm/6"1 no	Deleted
Page 57, Para 44	Snare, Wire. Aural. SS. 36 S.W.G.Pkt. of 12 - 1 no	Deleted
Page 57, Para 45	Retractor, Plester. 2 Prong X Right-Solid blade.11cm/4.5" - 3 nos	Deleted
Page 57, Para 46	Retractor, Plester. 2 Prong X Left-Solid blade.11cm/4.5"- 3 nos	Deleted
Page 57, Para 55	Zoellner Raspatory. Curved Rt. 7.5cm - 2 sets	Deleted
Page 57, Para 56	Zoellner Raspatory. Curved Lt. 7.5cm - 2 sets	Deleted
Page 57,	Zoellner Arrowhead. Curved Rt. 7.5cm - 2	Deleted

Para 57	sets	
Page 57, Para 58	Zoellner Arrowhead. Curved Lt. 7.5cm - 2 sets	Deleted
Page 57, Para 59	Zoellner Sickle Knife. Up cutting. 7.5cm - 2 sets	Deleted
Page 57, Para 60	Zoellner Sickle Knife. Down cutting. 7.5cm - 2 sets	Deleted
Page 57, Para 61	Zoellner Raspatory/Hook. Up. 7.5cm - 2 sets	Deleted
Page 57, Para 62	Zoellner Raspatory/Hook. Down 7.5cm - 2 sets	Deleted
Page 57, Para 63	Zoellner Pick. 0.5mm. Up. 7.5cm - 2 sets	Deleted
Page 57, Para 64	Zoellner Pick. 0.5mm. Down 7.5cm - 2 sets	Deleted
Page 57, Para 65	Zoellner Pick. Straight 7.5cm - 2 sets	Deleted
Page 58, Para 97	Revolving Knife. 3mm-Radial. Schuknecht Matted 16cm - 3 nos	Deleted
Page 58, Para 98	Revolving Knife. 3mm-Axial. Schuknecht Matted 16cm - 3 nos	Deleted
Page 58, Para 108	Ball Probe, Goldman. 0.8mm. 45°. Matted 16cm - 3 nos	Deleted
Page 58, Para 110	Larkin/Fisch Hand Trephine. 0.8mm. Matted - 2 nos	Deleted
		Added Para: 148. Cartilage slicer - 2 nos
Page 59, Para	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 7	Deleted
	Septo Rhynoplasty set	
Page 60, Para 18	Skin Grafting Handle. Rt. Hand. Watson-modification; with 20 Blades - 2 nos	Deleted
Page 60, Para 19	Spare Blades for Skin Graft Knives. Sterile - 2 nos	Deleted
Page 60, Para 30	Metzenbaum Scissors, Straight 10cm/4" - 4 each	Deleted
Page 60, Para 32	Metzenbaum Scissors, Straight 12.5cm/5" - 4 each	Deleted
Page 60, Para 35	Scissors, Reynolds. . 15cm/6" - 6 each	Deleted
Page 61, Para	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 7	Deleted
	Tonsillectomy & Adenoidectomy Set	
Page 62, Para 11	Remington Hobb Diathermy Forceps. Serrated. Straight 25cm/10" - 2 nos	Deleted
Page 62,	Forceps, Tonsil Artery. Negus. 2 Curved.	Deleted

Para 14	19cm/7.5" - 2 nos	
Page 62, Para 18	Needle, Suturing. Tonsil. Irwin Moore. Curved Rt. 20cm/8"- 2 nos	Deleted
Page 62, Para 19	Needle, Suturing. Tonsil. Irwin Moore. Curved Lt. 20cm/8"- 2 nos	Deleted
Page 62, Para 31	Forceps , Swab Holding. Krause. 28cm/11" "- 2 nos	Deleted
Page 62, Para 32	Negus Jack/Chest Support with rack action "- 2 nos	Deleted
Page 62, Para 33	Uvula Retractor "- 1 no	Deleted
Page 62, Para 34	Bayonett forceps "- 2 nos	Deleted
Page 62 & 63, Para	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 7	Deleted
Tracheostomy Set (4 Sets required)		
Page 63, Para 7	15 no. Blade - 20 nos	Deleted
Page 63, Para 9	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 20 Fr. - 2 nos	Deleted
Page 63, Para 10	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 32 Fg.- 2 nos	Deleted
Page 63, Para 11	Tracheostomy Tube, Chevalier Jackson.Silver Plated. 34 Fg.- 2 nos	Deleted
Page 63, Para 12	Tracheostomy Tube, Fuller. 18Fg.- 2 nos	Deleted
Page 64, Para	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 7	Deleted
Instruments for Micro laryngeal surgery (MLS)		
Page 66, Para	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 7	Deleted
General Instruments for ENT (Head & Neck)		
Page 66, Para 4	Allis tissue holding forceps - 1 no	Allis tissue folding forceps - 4 nos
Page 67, Para 16	Periosteum elevator - 2 nos	16. Periosteum elevator : a) Freer's - 2 nos b) Howarth's - 2 nos
		Added para: 24. Lane's forceps , 20cm length - 4 nos 25. Kocher's forceps, 15-20 cm length - 4 nos 26. Debakey's vascular forceps, 12-15cm length - 2 nos

		27. Cat's paw retractor 20cm length - 2 nos 28. Czerney's retractor 15cm length - 2 nos
Page 67 & 68, Para 16	Note for Instrument Sets TITANIUM INSTRUMENTS Para 1 to 8 STAINLESS STEEL INSTRUMENTS Para 1 to 8	Deleted
Page 68, Para	Added para. Items of Sl No. 8, 9, 10, 38, 39, 40, 41, 42, 66, 76, 77, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 118, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134 (Titanium)	Deleted
		Added Para: Note for all the instruments: 1. Deviation of +/- 10 % is acceptable in instrument size 2. All Surgical instruments should be made of 4 series AISI 420 and AISI 410 steel and certified copy must have to submit at the time of tender submission. 3. All instruments should be ISO 7153-1:2016 certified and a copy of the same should be enclosed with bid. 4. Manufacturer should be ISO 13485 certified. 5. The brand name along with catalogue number should be engraved on each instruments 6. All instruments should be from same principal manufacturer ;incase any of the instrument is not manufactured by the principal manufacturer the same shall be offered from a second manufacturer; not exceeding 20% of total quantity of instruments. (In this case the principal manufacturer should submit an undertaking for non production of such instruments).
Item 10 - ENT Head Light		
Tender Page & Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
Page 69, para 6	No need to change the lamp (Atleast 50,000 hours of service life)	No need to change the lamp (Atleast 30,000 hours of service life)
Page 69, para 09	Luminosity adjustable from 10 to 100mm at a working distance of 40cm.	Deleted
Item 11 - Bronchoscopy/Oesophagoscope		
Tender Page & Para	TENDER SPECIFICATION	AMENDED SPECIFICATION

Rigid Bronchoscope set for adult for Deptt of ENT		
Page 69	Prismatic light deflector with connection for fiber optic light cable : ONE	Prismatic light deflector with connection for fiber optic light cable : THREE
Page 69	Glass Window Plug : ONE	Glass Window Plug : THREE
Page 69	Rubber telescope guide : ONE	Deleted
Page 69	Tube Guide for Bronchoscope	Deleted
Page 69		Added Para : Optical Grasping forceps for each above mentioned bronchoscopy tube.
Page 70	Bronchoscopic and Esophagosopic forceps , universal biopsy and grasping double action jaws, diameter : 2.0mm, working length 35cm	Bronchoscopic forceps , universal biopsy and grasping double action jaws, diameter : 2.0mm, working length 35cm
Page 70	Bronchoscopic and Esophagosopic forceps , alligator, grasping double action jaws, diameter : 2.0mm, working length 35cm	Bronchoscopic forceps , alligator, grasping double action jaws, diameter : 2.0mm, working length 35cm
Technical Specification for the Instruments required for Neonate Bronchoscope for the Deptt of E.N.T		
Page 71, Para 5	Adaptor from bronchoscope to any type of pediatric respiration equipment 01	Adaptor for bronchoscope to any type of pediatric respiration equipment 01
Page 71, Para 7	Injection Cannula for positive pressure assisted ventilation system, O.D. 2.7mm for use with bronchoscopes and tracheoscopes, with LUER-lock female fitting 01 each	Injection Cannula for positive pressure assisted ventilation system, O.D. 2.7mm for use with bronchoscopes : 01 each
Page 71, Para 8	Bronchoscope Forceps Alligator, single action jaws, semi-flexible diameter 1 mm: 01	Bronchoscope Forceps Alligator, single action jaws, semi-rigid diameter 1 mm : 02
Page 71, Para 12	Irrigator and Aspirator 01	Aspirator 01
Page 71		Added Para : 1. Prismatic light deflector : 2 Nos 2. Glass Window Plug : 2 Nos
Specification of Oesophagoscope:		
Page 73, Para 1	Universal Oesophagoscope with Distal or Proximal illumination Adult 250mm length 12x8 mm diameter-1	Universal Oesophagoscope with Distal or Proximal illumination Adult 200mm or more length 12x8 mm diameter-1
Page 71, Para 6	Universal oesophagoscope with distal or proximal illumination child 270mm length 5.5mm diameter	Universal oesophagoscope with distal or proximal illumination child 270mm or more length 5 to 5.5mm diameter
Page 73, Para 13	Foreign body forcep alligator jaw with deep serration 350mm length 2.0mm shaft diameter	Foreign body forcep alligator jaw with deep serration 350mm length 2.0 - 2.5 mm shaft diameter
Page 73, Para 15	Cut biopsy forcep 350mm length 2.0mm shaft diameter-2	Biopsy forcep 350mm length 2.0mm shaft diameter-2
Page 73, Para 16	Rotation Forcep for hard Foreign bodies 450mm length -2	Forcep for hard Foreign bodies 450mm length -2
Page 73, Para 17	Aspiration tubes rigid 350mm length 2.5mm diameter-4	Aspiration tubes rigid 350mm length 2mm or more diameter-4
Page 73, Para 22	cold light source 250 Watt - 1	LED light source equivalent to 300 Watt Xenon - 1

Item 12 - Flexible rhino-pharyngolaryngoscope		
Tender Page & Para	TENDER SPECIFICATION	AMENDED SPECIFICATION
Page 74, Para 2	Angle of view : 100 - 110 deg.	Angle of view: 80-100 deg.
Page 74, Para 4	Outer diameter : 5 - 5.5 mm	Outer diameter: 4-5.5 mm
Page 74, Para 5	Instrument Channel: 2 -2.5mm	Instrument Channel: 1.4 -2.5mm
Page 74, Para 6	Deflection : Upward upto 160 deg Downward upto 150 deg	Deflection: Upward: 130 deg or more, Downward: 110 deg or more

All other contents of the Tender enquiry including terms & conditions remain unaltered.

Note:

- I. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**
- II. Technical Compliance Sheet 'Ver 1.0' and Price bid Sheet 'Ver 1.0' in excel form against referred tender are being uploaded under 'Corrigendum' on CPPP. The same need to be downloaded for submission.**