

**Amendment No. 4****04.02.2023****Sub: Amendment to the Bidding Document**

**Ref.: Notice Inviting Bid ref. HITES/PCD/MCH-AIIMS/08/22-23 dated 04.11.2022 read with Amendment no. 1, 2 & 3 dtd. 07.12.2022, 28.12.2022 & 27.01.2023 respectively**

The following changes have been authorised and are being incorporated in the above referred Bidding Document.

**SECTION – I****NOTICE INVITING BIDS (NIB)**

<b>Description</b>	<b>Existing</b>	<b>Amended as</b>
Bid Submission End Date & Time	09-02-2023 at 02.00 pm	<b>16-02-2023</b> at 02.00 pm
Closing date & time for submission of tender fee and <b>EMD in physical form</b>  Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the mentioned date and time	10-02-2023 at 02.00 pm	<b>17-02-2023</b> at 02.00 pm
Bid Opening Date & Time	10-02-2023 at 02.30 pm	<b>17-02-2023</b> at 02.30 pm

**Important Note to Prospective Bidders:**

In reference to the extension of bid opening date, participating bidders, who had submitted or are submitting their Bid security/EMD in the form of Bank Guarantee (BG) or FDR are instructed to extend the validity of their BG/FDR accordingly, i.e. required validity of EMD is to be kept in line with the extended bid opening date.

**SECTION – VII****TECHNICAL SPECIFICATION AND GENERAL POINTS****A. TECHNICAL SPECIFICATION:****Item No. 1 (Tender ID: 2022 HLL 134184 1)****Insulin Pump With Integrated Continuous Glucose Monitoring System**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	NA	Added Para:	Algorithm: AHCL (Advanced Hybrid Closed Loop)
2	NA	Added Para:	Auto Basal: Auto Basal delivery based on insulin delivery history.
3	NA	Added Para:	Auto Mode exit if action required not taken for more than 4 hours.
4	NA	Added Para:	Auto Mode Min Delivery (Time Limit): 3 - 6 hours
5	NA	Added Para:	Sensor algorithm under read (Time Limit): 2 hours
6	NA	Added Para:	Auto Mode disabled by user (Time Limit): Direct exit to Manual Mode
7	NA	Added BOQ:	BOQ: 1. Insulin Pump With Integrated Continuous Glucose Monitoring System - 02 Nos. 2. Infusion sets - 100 Nos. 3. Reservoirs - 100 Nos. 4. Glucose Sensors - 100 Nos. 5. AAA Batteries - 200 Nos. 6. Covers for pump - 04 Nos. 7. Extra power cable - 02 Nos.

**Note:**

- i) Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_1\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_1\_Ver1.1'. The same need to be downloaded for submission by participating bidders.
- ii) Based on the above amendment, Price Bid Format 'PriceBid\_2022\_HLL\_134184\_1\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'PriceBid\_2022\_HLL\_134184\_1\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**Item No. 2 (Tender ID: 2022 HLL 134512 2)****Video Bronchoscope**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	Pg 48 Para 2	It should be based on charge couple device (CCD) to collect image data.	It should be based on charge couple device (CCD) / <b>CMOS</b> to collect image data.

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
2	Pg 48 Para 3	The CCD should be in the control section.	The CCD / <b>CMOS</b> should be in the control section <b>or distal end.</b>
3	Pg 48 Para 5	The distal end of the scope should have a provision for anterior (UP), posterior (DOWN), RIGHT and LEFT angulation of 120 or more degrees.	The distal end of the scope should have a provision for anterior (UP) <b>and</b> posterior (DOWN) of 120 or more degrees.
4	Pg 48 Para 6	All three video bronchoscope should be provided with one set of compatible light source and video processor.	All three video bronchoscope should be provided with one set of compatible light source and video processor. <b>Light source - Multi LED (4 or more) / Xenon bulb of 300 or more watt.</b> <b>Video Processor: HD or 4K or better technology. It should be able to store at least 500 patient records and able to transfer records to computer.</b>
5	NA	<b>Added Para:</b>	BOQ 1. Video Bronchoscope - 01 Set consisting of following: 1 a. Video Bronchoscope with External diameter 2.8 mm or less; working channel 1.2 mm or more - 01 No. 1 b. Video Bronchoscope with External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 01 No. 1 c. Video Bronchoscope with External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 01 No. 2. Re-usable biopsy forceps for Video Bronchoscope with following External diameter and working channel: 2 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 05 Nos. 2 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 05 Nos. 2 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 05 Nos.

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
			<p>3. Re-usable four-wire basket for Video Bronchoscope with following External diameter and working channel:  3 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 05 Nos.  3 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 05 Nos.  3 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 05 Nos.</p>
			<p>4. Re-usable rat tooth forceps for Video Bronchoscope with following External diameter and working channel:  4 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 05 Nos.  4 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 05 Nos.  4 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 05 Nos.</p>
			<p>5. Re-usable three prong grasper for Video Bronchoscope with following External diameter and working channel:  5 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 05 Nos.  5 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 05 Nos.  5 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 05 Nos.</p>
			<p>6. Re-usable cytology brushes for Video Bronchoscope with following External diameter and working channel:  6 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 05 Nos.  6 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 05 Nos.  6 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 05 Nos.</p>
			<p>7. Compatible Desktop computer as specified - 01 No.</p>
			<p>8. Laser Color Printer - 01 No.</p>
			<p>9. UPS as specified - 01 No.</p>
			<p>10. Mobile Trolley as specified - 01 No.</p>

Sr. No.	Tender Page & Para	Existing Tender Specification	Amended as
			<p>11. Suction valves for Video Bronchoscope with following External diameter and working channel:            11 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 10 Nos.            11 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 10 Nos.            11 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 10 Nos.</p> <p>12. Biopsy Valves Video Bronchoscope with following External diameter and working channel:            12 a. External diameter 2.8 mm or less; working channel 1.2 mm or more - 10 Nos.            12 b. External diameter 3.8 mm to 4.2 mm; working channel 2.0 mm or more - 10 Nos.            12 c. External diameter 5.8 mm to 6.3 mm; working channel 2.8 mm or more - 10 Nos.</p>

**Note:**

- i) Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_2\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_2\_Ver1.1'. The same need to be downloaded for submission by participating bidders.
- ii) Based on the above amendment, Price Bid Format 'PriceBid\_2022\_HLL\_134184\_2\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'PriceBid\_2022\_HLL\_134184\_2\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**Item No. 3 (Tender ID: 2022 HLL 134184 3)****Automatic Nucleic Acid Extraction and Purification System**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	Pg 49 Para 1	Instrument should be compatible to wide formats including 24 deep well plates, Microtiter 96 deep well plates and 96 well PCR plates	<b>System should be for 96 deep well plates and 96 well PCR plates. Also system should be compatible for auto PCR plate preparation.</b>
2	Pg 49 Para 4	The instrument should have option to run 6 and 12 samples per run.	The instrument should have option to run <b>1-96</b> samples per run.
3	Pg 49 Para 5	The entire processing and run time on instrument should not exceed 40 min.	The entire processing and run time on instrument should <b>be as per kit requirement</b>
4	Pg 49 Para 12	The instrument should have an option of heating and cooling for samples from +10 C° to +75 C° and for elution from +4 C° to +75 C°	The instrument should have an option of heating from <b>5°C above ambient to 115°C.</b>
5	Pg 49 Para 13	Decontamination feature with UV lamp option with UV exposure time maximum upto 10-16 hrs.	Decontamination feature <b>as per manufacturer guidelines/UV lamp option.</b>
6	Pg 49 Para 16	A starting kit and reagents needed to process few DNA samples should be given free of cost at the time of installation.	A starting kit and reagents needed to process few DNA samples should be given free of cost at the time of installation. <b>Sample Size: 1000; Sample type: Blood, Tissue, Liquid Biopsy</b>
7	NA	NA	<b>Added Para: BOQ 1. System as specified - 02 Nos.</b>

**Note:**

Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_3\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_3\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**Item No. 4 (Tender ID: 2022\_HLL\_134184\_4)****Protein Electrophoresis and Blotting Apparatus**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	Pg 50 Para 4	Each system should be provided with atleast 5 Litres of Transfer Buffer, 400 Sheets of Filter Paper and Supported Nitrocellulose membrane sufficient for 400 minigels.	Each system should be provided with 400 Sheets of Filter Paper
2	Pg 50 Para 8 Point no. 4	Instrument should have an inbuilt timer from 1 min-99 hr.	Instrument should have an inbuilt timer from 1 min-99 hr <b>or 1 min-999 min or better per step.</b>
3	Pg 50 Para 8 Point no. 5	There should be safety alarms to detect and indicate overload, sudden load change, no load, and over voltage protection	There should be safety alarms to detect and indicate overload, sudden load change, no load, over voltage, <b>over current, Ground leak detection</b> protection.
4	Pg 50 Para 8 Point no. 6	The operating temperature for the instrument should be 40C - 400C	The operating temperature for the instrument should be <b>0°C - 40°C</b>
5	Pg 50 Para 8 Point no. 7	Spare leads (10 nos.) and electrodes for the running apparatus (4 nos.) should be provided.	<b>Deleted</b>
6	Pg 50 Last Para	The equipment must be USFDA or European CE with 4 digit notified or BIS certified.	The equipment must be USFDA or European CE with 4 digit notified or BIS <b>or CE</b> certified.

Sr. No.	Tender Page & Para	Existing Tender Specification	Amended as
7	NA	<b>Added Para:</b>	BOQ: 1. System as specified - 02 Nos. 2. Filter Paper - 800 Sheets 3. Minigel casting system - 02 Nos. 4. Electrophoresis apparatus as specified - 02 Nos. 5. Leak proof casting stations - 04 Nos. 6. Spacer plates - 20 Nos. 7. Short plates for 0.75 mm gels or thicker - 20 Nos. 8. Short plates for 1.0 mm gels or thicker - 20 Nos. 9. 10 well Combs or better - 04 Sets 10. 15 well Combs or better - 04 Sets 11. Spacer plates - 40 Nos. (20 Nos. for 0.75 mm gels or thicker, 20 Nos. for 1.0 mm gels or thicker) 12. Short plates - 40 Nos. 13. Combs - 40 Nos.

**Note:**

- i) Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_4\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_4\_Ver1.1'. The same need to be downloaded for submission by participating bidders.
- ii) Based on the above amendment, Price Bid Format 'PriceBid\_2022\_HLL\_134184\_4\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'PriceBid\_2022\_HLL\_134184\_4\_Ver1.1'. The same need to be downloaded for submission by participating bidders.



**Item No. 6 (Tender ID: 2022\_HLL\_134512\_6)****Elisa/Microplate Reader**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	Pg 52 Para 8	It should have Reader capable of reading the plate format form 8 to 96 well plates on any manufacturer and able to support all plate formats U bottom, V bottom and Flat bottom of ELISA plates	It should have Reader capable of reading the plate format form 8 to 96 well plates on any manufacturer and able to support all plate formats U bottom, V bottom and Flat bottom of ELISA plates <b>and quoted with low-volume plate upto 16-24 samples with 2µl capability</b>
2	Pg 52 Para 12	Measurement range from 230 nm to 850 nm Ex and Em with Red Sensitive PMT. Top and Bottom reading options	Measurement range from <b>270 nm to 840 nm</b> Ex and Em with Red Sensitive PMT <b>or better</b>
3	Pg 52 Para 16	Luminescence Mode. Flexible to select Glow luminescence mode. Sensitivity 1 fmol ATP/well. Fast Photon Counting PMT and dual Color Luminescence.	Luminescence Mode. Flexible to select Glow luminescence mode.
4	Pg 53 Para 19	Dead volume 100 µl including pump back	Dead volume <b>atleast 1200 µl</b> including pump back
5	Pg 53 Para 21	The equipment should be BIS/European CE IVD/US FDA approved	The equipment should be BIS <b>or</b> European CE IVD <b>or CE IVD or</b> US FDA approved
6	NA	<b>Added Para:</b>	<b>BOQ:</b> <b>1. Elisa/Microplate Reader as specified - 02 Nos.</b>  <b>2. All in one PC as specified - 02 Nos.</b>

**Note:**

Based on the above amendment, Technical Compliance Sheet TC\_2022\_HLL\_134184\_6\_Ver1.0' in CPP portal has been superseded by a new version i.e. TC\_2022\_HLL\_134184\_6\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**Item No. 7 (Tender ID: 2022 HLL\_134184\_7)****Continuous Renal Replacement Therapy (CRRT) Machine**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	NA	<b>Added Para:</b>	<b>BOQ:</b> 1. CRRT Machine as specified - 01 No.  2. All tubings and cassettes required for 10 therapies each of the following types, including 5 each in infants (<10 kg): (i) CVVH; (ii) CVVHD; (iii) CVVHDF; (iv) SCUF  3. Ultrafiltrate bags: 20 Nos.  4. Replacement fluid: 20 bags each of 5 liters

**Note:**

- i) Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_7\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_7\_Ver1.1'. The same need to be downloaded for submission by participating bidders.
- ii) Based on the above amendment, Price Bid Format 'PriceBid\_2022\_HLL\_134184\_7\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'PriceBid\_2022\_HLL\_134184\_7\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**Item No. 8 (Tender ID: 2022 HLL 134184 8)****Plasmapheresis Machine (Portable)**

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
1	Pg 59 Para 28	Should come with warranty in form of five years of comprehensive maintenance contract and additional five years of annual maintenance contract.	<b>Deleted</b>
2	Pg 59 Para 29	All spare parts, including electronic, mechanical and plastic parts and software, required as such or due to wear and tear, should be included in the warranty period of five years and in Comprehensive AMC period of next five years.	<b>Deleted</b>
3	Pg 59 Para 30	Company should be in market for at least 5-years.	<b>Deleted</b>
4	Pg 59 Para 31	The parent company has the sole responsibility of warranty and CMC even if the company's distributor is quoting to supply the machine.	<b>Deleted</b>
5	Pg 59 Para 32	Company personnel shall have the following responsibilities:	<b>Deleted</b>
6	Pg 59 Para 32 Point 1	Elective visit once a week, day as decided by the department	<b>Deleted</b>
7	Pg 59 Para 32 Point 2	Preventive machine maintenance two times in a year	<b>Deleted</b>
8	Pg 59 Para 32 Point 3	Response time for acknowledgment of complaint: Within 30 minutes	<b>Deleted</b>

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
9	Pg 60 Para 32 Point 4	Response time for physical presence within one working day	<b>Deleted</b>
10	Pg 60 Para 32 Point 5	Machine uptime 355 days in a year	<b>Deleted</b>
11	Pg 60 Para 32 Point 6	Machine downtime 48 hours, with a penalty of Rs. 5000/- every day after downtime	<b>Deleted</b>
12	Pg 60 Para 32 Point 7	If the downtime exceeds 48 hours then in addition to the penalty, the warranty/CMC period of the equipment will be extended by double the period of downtime exceeding 48 hours.	<b>Deleted</b>
13	Pg 60 Para 33	Documents to be enclosed:	<b>Deleted</b>
14	Pg 60 Para 33 Point 1	Service manual in English	<b>Deleted</b>
15	Pg 60 Para 33 Point 2	Product Catalog and User manual in English	<b>Deleted</b>
16	Pg 60 Para 33 Point 3	Compliance Report: To be submitted in a tabulated and pointwise manner, clearly mentioning the page number of original catalog of data sheet	<b>Deleted</b>
17	Pg 60 Para 33 Point 4	Essential and additional equipment list: To be provided, including those required for providing calibration and routine preventive maintenance support, as per manufacturer documentation	<b>Deleted</b>

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
18	Pg 60 Para 33 Point 5	Spare parts and accessories: List of important spare parts and accessories provided with the machine, part numbers and cost	<b>Deleted</b>
19	Pg 60 Para 33 Point 6	Local components: A clearly defined list of components/parts of machine or its accessories that are to be provided by Indian counterpart/agent, that are not being provided with the machine. The costs of these components and their replacement frequency should be clearly stated	<b>Deleted</b>
20	Pg 60 Para 33 Point 7	Institution supply list: A complete list of the institutions where the machine has been supplied in last five years, along with the name, mobile and office contact details of the person handling the machine	<b>Deleted</b>
21	Pg 60 Para 33 Point 8	Details about company website where machine details and brochure are available	<b>Deleted</b>
22	Pg 60 Para 33 Point 9	Log book with instructions for regular maintenance and its checklist	<b>Deleted</b>
23	Pg 60 Para 33 Point 10	Job description: Clearly defined job description of the hospital staff and company service engineer	<b>Deleted</b>
24	Pg 60 Para 33 Point 11	User certificate and satisfactory performance report of the equipment in last five years from users in any central or state government hospital	<b>Deleted</b>

<b>Sr. No.</b>	<b>Tender Page &amp; Para</b>	<b>Existing Tender Specification</b>	<b>Amended as</b>
25	Pg 60 Para 33 Point 12	Letter of accreditation from the manufacturer of the machine stating that the machine to be supplied is new, the model is being manufactured as on tender date, the spare parts will be available for the next ten years from the date of delivery, and that service will be maintained even if the distributor changes	<b>Deleted</b>
26	Pg 60 Para 33 Point 13	Documentary evidence of local service facility with registered office in India: The service provider should have necessary equipment recommended by the manufacturer to carry out preventive maintenance service (PMS) as per guideline in the plasmapheresis machine manual	<b>Deleted</b>
27	NA	NA	<b>Added Para:</b> <b>BOQ:</b> <b>1. Plasmapheresis Machine (Portable) - 01 No.</b> <b>2. UPS as specified - 01 No.</b>

**Note:**

Based on the above amendment, Technical Compliance Sheet 'TC\_2022\_HLL\_134184\_8\_Ver1.0' in CPP portal has been superseded by a new version i.e. 'TC\_2022\_HLL\_134184\_8\_Ver1.1'. The same need to be downloaded for submission by participating bidders.

**All other contents of the Bidding Document including terms & conditions remain unaltered.**