Corrigendum No. 3

21.12.2019

Sub: Amendment to the Tender Enquiry Document

Ref.: Notice Inviting Tender ref. HITES/PCD/IITKGP/05/19-20 dated 23.10.2019 read with its Corrigendum No. 1 & 2 dated 22.11.2019 & 17.12.2019 respectively.

The following changes have been authorised and are being incorporated in the above referred Tender Enquiry Document (TED).

SECTION I

NOTICE INVITING TENDER (NIT)

Sl. no.	Short Description of good	Existing Tender ID	New Tender ID
1	Fully automated biochemistry Analyser	2019_HLL_34479_1	**2019_HLL_38654_1**
2	Immunossay	2019_HLL_34479_2	**2019_HLL_38654_2**
3	Fully automatic five part hematology analyzer	2019_HLL_34479_3	**2019_HLL_38654_3**

Note: *The existing Tender IDs of the above mentioned items have been cancelled to incorporate few changes (mainly due to Price Bid condition) in the existing tenders. Bidders are instructed to submit their bids under new Tender ID for these 03 (three) items. In case, any bid(s) has/have already been submitted for the existing above Tender IDs those are required to be re-submitted in the New Tender ID considering this corrigendum.*

The Technical Compliance Sheet and Price Bid of the above mentioned items are to be downloaded from the New Tender ID for necessary filling and submission.

SECTION – VII

TECHNICAL SPECIFICATION

(Existing Tender ID: ~~2019_HLL_34479_1;~~
New Tender ID: 2019_HLL_38654_1)

Fully automated biochemistry Analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 44 Para 4	SAMPLE LOADING: Minimum of 60 sample positions **with 30 priority positions** (continuous loading). Bar code reading facility for positive sample identification, real time, test requisition downloading from host should be possible.	Sample Loading: Minimum of 60 sample positions. Bar code reading facility for positive sample identification, real time, test requisition downloading from host should be possible. Equipment should have facility of assigning all positions as STAT if required.
Page 44 Para 6	SAMPLE TYPES: Plasma, Urine, Serum, CSF, Hemolysate and whole blood for HbA1C	SAMPLE TYPES: Plasma, Urine, Serum, CSF, **Hemolysate/ Hemolyse** and whole blood for HbA1C
Page 44 Para 7	STAT FACILITY: At least 25 sample positions must be there in	Deleted

	the system. The System should have preferential treatment for STAT and Paediatric Sample with the facility of assigning all positions as STAT positions if required	
Page 44 Para 8	SAMPLE VOLUME: Sample volume typically should be between 1 - 30 µl per test, programmable in steps of 0.1 µl.	SAMPLE VOLUME: Sample volume should be between **2-50** µl per test, programmable in steps 0.1 µl.
Page 44 Para 9	SAMPLE PROBE: The system may be a single Probe system operated by separate double syringes to minimize the carryover. Probe liquid level sensor, Sample clot detection and **crash prevention facility** should be available. The aspiration needle should be multifunctional with liquid level sensor, **collision protector** and with integrated mixer.	SAMPLE PROBE: The system To be a single Probe system operated by separate double syringes to minimize the carryover. Probe liquid level sensor, Sample clot detection facility should be available. The aspiration needle should be multifunctional with liquid level sensor with integrated mixer.
Page 44 Para 10	The system should have **semi disposable** reaction rotor comprising of at least **45 reusable cuvettes** with long life.	The system should have reaction rotor comprising of at least 45 **reusable** or **disposable** Cuvettes.
Page 44 Para 14	CUVETTES: reusable, permanent or Disposable	Cuvettes: Required quantity and rates of Reusable/ Disposable Cuvettes to be quoted separately for 1,30,566 number of tests (considering requirement during 1st year as 10,566 test, 2nd year as 40,000 test & 3rd year as 80,000 test) and value of such Cuvettes including GST shall be considered for ranking of bids. The rate of Reusable/ Disposable Cuvettes shall be freezed for a period of 3 years. The required quantity of Reusable Cuvettes as quoted by the bidder should be supported with a Certificate from the OEM and submitted in the Technical bid. The price offer for Reusable/ Disposable Cuvettes to be submitted in pdf format alongside the BOQ in price bid section.
Page 44 Para 13	STIRRER: More than 2 on board variable speed stirrers should be available.	STIRRER: More than 2 on board variable speed stirrers **or ultrasonic mixing** should be available.
Page 45 Para 19	SOFTWARE: Operating platform should be Windows Embedded and compatible with Window XP, 7, 8 or 10. Should provide computer with core i5 processor, 4GB RAM, 1TB hard disk, windows 7 OS or better, laser printer	SOFTWARE: Operating platform should be Windows Embedded and compatible with **Linux or** Window XP, 7, 8 or 10. Should provide computer with core i5 processor, 4GB RAM, 1TB hard disk, windows 7 OS or better, laser printer.
Page 45 Para 23	UPS for backup of min 3 hrs for analyzer (including batteries & other consumables) to be supplied and maintained by the vendor during warranty & CMC period	UPS for backup of at least **30 minutes** for analyzer (including batteries & other consumables) to be supplied and maintained by the vendor during warranty & CMC period
Page 45 Para 24	Product should be European CE with 4 digit notified body number or US-FDA or BIS certified	1. Equipment should be European CE with 4 digit notified body number / EC declaration of conformity /USFDA or BIS approved. 2. Manufacturer should have ISO 13485 Note: Copies of the certificate(s) to be enclosed.

(Existing Tender ID: ~~2019_HLL_34479_2~~;
New Tender ID: 2019_HLL_38654_2)

Immunoassay Analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 45 Para 3	Three point calibrations for all parameters.	**Two** point calibration for all parameters
Page 45 Para 6	System having facility for on-board programs for at least 80 different test parameters and the reagents should be available from the same manufacture.	System having facility for on-board programs for **at least 40 different test parameters** and the reagents should be available from the same manufacture.
Page 45 Para 9	Assay time should be between 09-30 minutes	Assay time should be between **15-45 minutes**
Page 45 Para 10	System having three point calibration for all test parameters.	System having **two point** calibration for all test parameters.
Page 46 Para 13	Minimum sample volumes are 10 - 50 ul per test for pediatric/geriatric cases.	Minimum sample volumes are **10 - 100** ul per test for pediatric/geriatric cases.
Page 46 Para 15	System having disposable cups and tips for all immunoassays to prevent any carryover contamination to have reliable patient results.	System having disposable / Re-usable cups and tips for all immunoassays to prevent any carryover contamination to have reliable patient results. Reusable/ Disposable cups to be quoted separately for 32,120 number of tests (considering requirement during 1st year as 5,275 test, 2nd year as 11,845 test & 3rd year as 15,000 test) and value of such Cups and tips including GST shall be considered for ranking of bids. The rate of Reusable/ Disposable Cups & tips shall be freezed for a period of 3 years. The required quantity of Reusable/ Disposable Cups & tips as quoted by the bidder should be supported with a Certificate from the OEM and submitted in the Technical bid. The price offer for Reusable/ Disposable Cups & tips to be submitted in pdf format alongside the BOQ in price bid section.

(Existing Tender ID: ~~2019_HLL_34479_3~~;
New Tender ID: 2019_HLL_38654_3)

Fully automatic five part Haematology Analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 46 Para 3.2	Throughput:60 test/hour for CBC + Diff. up to 200 samples/hr	Throughput:60 test/hour for CBC + Diff. up to **110 samples/hr**
Page 46 Para 3.7	System must perform a flow cytometry based 3 dimensional true cell count and five part differential leucocyte count with laser based scatter and radio frequency.	System must perform a flow cytometry based 3 dimensional true cell count and five part differential leucocyte count with laser based scatter and radio frequency or **optical.**
Page 46	Should have autoloader with routine bar code ID	Equipment should have Autoloader with routine

Para 3.8	and with Loading capacity up to 100 sample tubes	bar code ID and with loading capacity upto **50 sample tubes.**
Page 47 Para 6	System should be US FDA or European CE or BIS approved.	1. Equipment should be European CE with 4 digit notified body number / EC declaration of conformity /USFDA or BIS approved. 2. Manufacturer should have ISO 13485 Note: Copies of the certificate(s) to be enclosed.
New Para added	---	ADDED PARA: Bidder should quote separately required reagents for 34,906 number of tests (considering requirement during 1st year as 2,100 test, 2nd year as 10,806 test & 3rd year as 22,000 test) and value of such reagents including GST shall be considered for ranking of bids. The rate of reagents shall be freezed for a period of 3 years. The required quantity of reagents as quoted by the bidder should be supported with a Certificate from the OEM and submitted in the Technical bid. The above reagent price offer to be submitted in pdf format alongside the BOQ in price bid section.

(Tender ID: 2019_HLL_34479_7)

Coagulation analyzer

Reference to the TED	Existing Specification/ Clause	Amended as
Page 50 Para 2.1	Should be provided with internal/external **integrated thermal** printer and PC connectivity	Should be provided with internal/external printer and PC connectivity.
Page 50 Para 3.5	Centrifugal should have the technology to evaluate clot wave front analysis and can perform 140 tests of PT and 100 tests of APTT in an hour.	Centrifugal should have the technology to evaluate clot wave front analysis and can perform **100 or more** tests of PT and **80 or more** tests of APTT in an hour.
Page 50 Para 3.8	Should have two separate probes: one for sample and one for reagent handling	Should have **single probe for sample & reagent** handling
Page 50 Para 2.1	Should be provided with internal/external **integrated thermal** printer **and PC connectivity**	Should be provided with **internal/external printer** and PC connectivity

(Tender ID: 2019_HLL_34479_8)

ELISA reader with Washer

Reference to the TED	Existing Specification/ Clause	Amended as
Page 51 Para 3	Wave length range : 400-750 nm with absorbance range 0-3.0 abs	Wave length range: 400-750 nm with absorbance range 0-3.0 abs; *or* Wavelength range: **405-630 nm** with absorbance range 0-3.0 abs by providing minimum of 6 filters with the range of 405 - 750 nm

(Tender ID: 2019_HLL_34479_9)

Electrolyte analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 51 Para 4	Display should be LCD type	Display should be **LCD/LED/Graphic display**
Page 51 Para 6	Main parameters likely to be Na, K & Cl with an option to go for Ca, Li or Ph in the same system	The parameters must include Na, K & CL with an option to go for any one additional parameter **Ca** or **Li**

(Tender ID: 2019_HLL_34479_10)

Semi-automated biochemistry analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 52 Para 5	Should have flow cell with air bubble gap **(patient protected).**	Should have flow cell with air bubble gap.
Page 52 Para 7	Should have a measurement range from 0.001 to 2.300Abs	It should have a measurement range from 0.001 to 2.500 **or 3.000 Abs**
Page 52 Para 10	Should have a filter half bandwidth of 10nm or lesser. open system – all filters conforming to the kits commonly available in the market Should have 12 position filter wheel	Should have a filter half bandwidth of 10nm or lesser. open system – all filters conforming to the kits commonly available in the market Should have **06 position filter wheel**
Page 52 Para 17	It must be European CE with 4 digit notified number or US-FDA certified product.	1. Equipment should be European CE with 4 digit notified body number / EC declaration of conformity /USFDA or BIS approved. 2. Manufacturer should have ISO 13485 Note: Copies of the certificate(s) to be enclosed.
Page 52 Para 18	Should have low consumption of reagents – flow cell volume is only 25 microlitre	Should have low consumption of reagents – flow cell volume **should be upto 32 microlitre**
Page 52 Para 20	Maintenance free bellows pump operated through two valves (patent protected)	Deleted

(Tender ID: 2019_HLL_34479_11)

Urine Strip Analyser

Reference to the TED	Existing Specification/ Clause	Amended as
Page 53 Para 5	Throughput should be more than 120 test per hour or more	Throughput should be more than **60 test** per hour or more
Page 53 Para 6	Memory should be at least 2000 patient data	Memory should be at least **1000 patient** data
Page 53 Para 7	Equipment should be US-FDA or European CE approved	1. Equipment should be European CE with 4 digit notified body number / EC declaration of conformity /USFDA or BIS approved. 2. Manufacturer should have ISO 13485 Note: Copies of the certificate(s) to be enclosed.

(Tender ID: 2019_HLL_34479_21)

ECG - 12 Channel

Reference to the TED	Existing Specification/ Clause	Amended as
Page 61, Para 12	The system should have the capability to acquire/analyse 12 lead ECG derived out of 12 or more Channel using 10 or more electrodes for 48 Hrs. with facility to display/print 12 lead ECG at any point of time.	Deleted
Page 61, Para 11	Equipment should be European CE with four digit notified body number and US FDA approved and certificate to be submitted.	1. Equipment should be European CE with 4 digit notified body number / EC declaration of conformity /USFDA or BIS approved. 2. Manufacturer should have ISO 13485 Note: Copies of the certificate(s) to be enclosed.

(Tender ID: 2019_HLL_34479_24)

Holter

Reference to the TED	Existing Specification/ Clause	Amended as
Page 62, Para 6	System should be capable of analyzing various arrhythmias like ventricular ectopics, supraventricular ectopics, ventricular tachycardia, **ventricular fibrillation**, supraventricular tachycardia, atrial fibrillation, sinus pause.	System should be capable of analyzing various arrhythmias like ventricular ectopics, supraventricular ectopics, ventricular tachycardia, supraventricular tachycardia, atrial fibrillation, sinus pause.
Page 63, Para 18	3 Digital recorder should have 128 samples/sec/channel for recording **and storage 1000/sec/channel for VLP.**	3 Digital recorders should have 128 samples/ sec/ channel for recording.

SECTION – VIII

QUALIFICATION CRITERIA

Reference to the TED	Existing Criteria	Amended as
Page 66, Para 2	The bidder should have successfully executed at least 02 (two) separate orders, of the similar equipment/goods meeting major parameters of technical specification, in last 05 (five) years from the date of Tender Opening, in any Hospital/Reputed Diagnostic Laboratories in India.	The bidder should have successfully executed at least **100% of the tendered quantity** of the similar equipment/ goods meeting major parameters of technical specification, in last 05 (five) years from the date of Tender Opening, in any Hospital/Reputed Diagnostic Laboratories in India.

Important Note:

Technical Compliance Sheets with file name 'xxx_Ver1.0.xls' for above tenders are being uploaded under Corrigendum on CPPP wherever technical specifications have been amended. These will supersede the previously uploaded compliance sheets and need to be downloaded for necessary submission.

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