

Amendment No. 2

Date: 17/09/2016

Sub: Amendment to the Tender Enquiry Document.**Ref: NIT No.: HLL/PCD/CDSCO-06/16-17 Dated 17.08.2016 and amendment no.1 dated 19.08.2016**

The following changes are being incorporated in the referred tender enquiry.

NOTICE INVITING e-TENDERS (NIeT)**FOR:**

Sch no	Event Number	Name of the Instrument	Total Qty.	EMD
7	3000001461	GLC with FID detector with head space	3	₹ 1,80,000
12	3000001445	Dissolution apparatus with auto sampler	8	₹ 3,20,000
13	3000001446	Dissolution Media Preparation System	7	₹ 2,80,000

READ AS:

Sch no	Event Number	Name of the Instrument	Total Qty.	EMD
7	3000001461	GLC with FID detector with head space	4	₹ 2,40,000
12	3000001445	Dissolution apparatus with auto sampler	7	₹ 2,80,000
13	3000001446	Dissolution Media Preparation System	6	₹ 2,40,000

FOR:**2. Tender No.: HLL/PCD/CDSCO-06/15-16**

Sl. No.	Description	Schedule
c	Closing date & time for submission of tender fee and EMD in physical form	20.09.2016, 1430 hrs (IST) Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	20.09.2016, 1230 hrs IST
e	Time and date of opening of online bids	20.09.2016, 1530 hrs IST

IMPORTANT NOTE :-Tender fee(Rs. 5,000/-) and EMD (As applicable) should be deposited in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before **20.09.2016, 14.30 hrs (IST)**. Submission beyond stipulated date & time would result in **REJECTION of BID**.

If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening, i.e. up to **04.03.2017**.

READ AS:

Sl. No.	Description	Schedule
c	Closing date & time for submission of tender fee and EMD in physical form	07.10.2016, 1430 hrs (IST) Bidders have to submit Original Bank Instruments viz. DD/BC/BG of tender fee and EMD within the above mentioned date and time
d	Closing date & time for submission of online bids	07.10.2016, 1230 hrs IST
e	Time and date of opening of online bids	07.10.2016, 1530 hrs IST

IMPORTANT NOTE :-Tender fee(Rs. 5,000/-) and EMD (As applicable) should be deposited in the Tender Box located at **HLL Lifecare Limited, Procurement and Consultancy Division, B-14 A, Sector-62, Noida-201307, Uttar Pradesh** on or before **07.10.2016, 14.30 hrs (IST)**. Submission beyond stipulated date & time would result in **REJECTION of BID**.

If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening, i.e. up to **21.03.2017**.

SECTION – II
GENERAL INSTRUCTIONS TO TENDERERS (GIT)

FOR:

13.5.5 Customs Duty:

The supplier will pay the customs duty and clear the goods for transportation to consignee's site. The applicable - rates and amount of custom duty and the corresponding Indian custom tariff number should be shown separately in the price schedule. However, for calculation purpose 17.41% will be considered. Duty paid by the supplier shall be re-imbursed on submission of documents. Customs duty exemption certificate (CDEC) wherever applicable shall be issued by the consignee.

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13.5.5 Customs Duty:

The supplier will pay the customs duty and clear the goods for transportation to consignee's site. The applicable - rates and amount of custom duty and the corresponding Indian custom tariff number should be shown separately in the price

schedule. However, for calculation purpose 17.41% will be considered. Duty paid by the supplier shall be re-imbursed on submission of documents. No Customs duty exemption certificate (CDEC) will be issued by the consignee(s).

FOR:

21.1 Payment Terms

Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

B) Payment for Imported Goods:

Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:

For contracts placed on DDP (consignee site) basis

a) On delivery:

Ninety (90) % of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country and upon submission of documents specified hereunder:

1. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
2. Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
3. Four copies of packing list identifying contents of each package;
Insurance Certificate as per GCC Clause 11
4. Manufacturer's/Supplier's warranty certificate;
5. Manufacturer's own factory inspection report and
6. Certificate of origin by the chamber of commerce of the concerned country,
7. Inspection Certificate for the despatched equipments issued by SGS/Lloyd/ Bureau Veritas/TUV agencies prior to despatch.
8. Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee.

b) On Acceptance:

Balance payment of 10% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees to the supplier. The supplier shall submit the original final acceptance certificate to the purchaser (HLL Life Care Ltd) who shall issue no objection certificate to the banker for payment through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country, subject to recoveries, if any

In case where the installation and commissioning or final inspection and test at site is delayed for any reason for which consignee is responsible, 10% of the contract price

shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a bank guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the bank guarantee extended for the further period as and when asked for by the purchaser.

- c) **(ii)Payment of Custom Duty Amount** with Custom Duty Exemption Certificate (CDEC),if applicable shall be reimbursed as per GIT Clause 13.5.5 on submission of relevant documents.

READ AS:

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Payment shall be made subject to recoveries, if any, by way of liquidated damages or any other charges as per terms & conditions of contract in the following manner.

B) Payment for Imported Goods:

Payment for foreign currency portion shall be made in the currency as specified in the contract in the following manner:

For contracts placed on DDP (consignee site) basis

a) On delivery:

Ninety (90) % of the net CIP price (CIP price less Indian Agency commission) of the goods shipped shall be paid through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the supplier in a bank in his country **or Direct Wire Transfer** and upon submission of documents specified hereunder:

1. Four copies of supplier's invoice showing contract number, goods description, quantity, unit price and total amount.
2. Original and four copies of the negotiable clean, on-board Bill of Lading/Airway bill, marked freight pre paid and four copies of non-negotiable Bill of Lading/Airway bill;
3. Four copies of packing list identifying contents of each package;Insurance Certificate as per GCC Clause 11
4. Manufacturer's/Supplier's warranty certificate;
5. Manufacturer's own factory inspection report and
6. Certificate of origin by the chamber of commerce of the concerned country,
7. Inspection Certificate for the despatched equipments issued by SGS/Lloyd/ Bureau Veritas/TUV agencies prior to despatch.
8. Consignee Receipt Certificate as per Section XVII in original issued by the authorized representative of the consignee.

b) On Acceptance:

Balance payment of 10% of net CIP price of goods would be made against 'Final Acceptance Certificate' as per Section XVIII to be issued by the consignees to the

supplier. The supplier shall submit the original final acceptance certificate to the purchaser (HLL Life Care Ltd) who shall issue no objection certificate to the banker for payment through irrevocable, non-transferable Letter of Credit (LC) opened in favour of the Foreign Principal in a bank in his country OR **Direct Wire Transfer**, subject to recoveries, if any.

In case where the installation and commissioning or final inspection and test at site is delayed for any reason for which consignee is responsible, 10% of the contract price shall become payable, after the expiry of six months from the date of arrival of the last consignment at site subject to submission of a bank guarantee by the supplier for the said amount valid initially for the period of six months. The supplier shall get the validity of the bank guarantee extended for the further period as and when asked for by the purchaser.

- c) **(ii)Payment of Custom Duty Amount** shall be reimbursed as per GIT Clause 13.5.5 on submission of relevant documents.

SECTION - IV GENERAL CONDITIONS OF CONTRACT (GCC)

FOR

5. Performance Security

- 5.2 The Performance security shall be denominated in Indian Rupees or in the currency of the contract as detailed below:

It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

READ AS

5. Performance Security

- 5.2 The Performance security shall be denominated in Indian Rupees as detailed below:

It shall be in any one of the forms namely Account Payee Demand Draft or Fixed Deposit Receipt drawn from any Scheduled bank in India or Bank Guarantee issued by a Scheduled bank in India, in the prescribed form as provided in section XV of this document in favour of the Purchaser/Consignee. The validity of the Fixed Deposit receipt or Bank Guarantee will be for a period up to sixty (60) days beyond Warranty Period.

SECTION – V

SPECIAL CONDITIONS OF CONTRACT (SCC)

ADDED PARA:

Note- Against each Notification of Award (NoA), Separate L/Cs shall be opened consignee wise.

FOR:**SECTION - VI
LIST OF REQUIREMENTS**

Sr. No.	Name of Instrument	Requirements of the Laboratories							Total No. of Equipments
		CDL Kolkata	CDL Kasauli	CDTL Hyderabad	CDTL Mumbai	CDTL Chennai	RDTL Guwahati	RDTL Chandigarh	
7	GLC with FID detector with head space	1	-	-	-	1	1	-	3
12	Dissolution apparatus with auto sampler	2	1	1	1	1	1	1	8
13	Dissolution Media Preparation System	1	1	1	1	1	1	1	7

Note: The details of the port office drug testing labs are as articulated in Section – XXI, Consignee List of tender enquiry document.

READ AS:

Sr. No.	Name of Instrument	Requirements of the Laboratories							Total No. of Equipment
		CDL Kolkata	CDL Kasauli	CDTL Hyderabad	CDTL Mumbai	CDTL Chennai	RDTL Guwahati	RDTL Chandigarh	
7	GLC with FID detector with head space	1	-	-	1	1	1	-	4
12	Dissolution apparatus with auto sampler	2	-	1	1	1	1	1	7
13	Dissolution Media Preparation System	1	-	1	1	1	1	1	6

Note: The details of the drug testing labs are as articulated in Section – XXI, Consignee List of tender enquiry document.

FOR:**Part II: Required Delivery Schedule:****Part III: Scope of Incidental Services:**

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13

Installation & commissioning shall be completed within 15 days of handing over the site of installation, complete in all respect by the consignee. The date of handing over the site has to be intimated by the supplier to the purchaser. The delay on the part of the supplier to install &

commission the equipment will also attract the provisions as contained in the liquidated damage clause.

READ AS:

Part II: Required Delivery Schedule:

Part III: Scope of Incidental Services:

Installation & Commissioning, Supervision, Demonstration, Trial run and Training etc. as specified in GCC Clause 13

Installation & commissioning shall be completed within 30 days of receipt of the stores/ goods at site or within 30 days of handing over the site for installation, complete in all respect by the consignee, whichever is later. The date of handing over the site has to be intimated by the supplier to the purchaser. The delay on the part of the supplier to install & commission the equipment will also attract the provisions as contained in the liquidated damage clause.

SECTION-VII

TECHNICAL SPECIFICATIONS

Schedule No. 2 Fourier Transform Infra Red Spectrophotometer (FT-IR)

1. **Existing specification:**

Wave number range: 7800 to 375 cm-1

Read as:

Wave number range: **11000** to 375 cm-1

2. **Existing specification:**

S/N Ratio: 40000:1 Peak-Peak, 5 Seconds Scan

Read as:

S/N Ratio: **7000:1** Peak-Peak, 5 Seconds Scan

Schedule No. 3 HPLC Quaternary Gradient with PDA, RI & Fluorescence Detector with Auto sampler

1. **Existing specification:**

Pump: Flow: 0.01 to 10 ml/min.

Read as:

Pump: Flow: **0.2** -10 ml/min.

2. **Existing specification:**

PDA Detector - Temperature Accuracy: ± 0.5 °C

Read as:

PDA Detector - Deleted

Schedule No.4 HPLC with ELSD, PDA detector and auto sampler

1. **Existing specification:**

PDA - Temperature Accuracy: ± 0.5 °C

Read as:

PDA Detector – Deleted

2. **Existing specification:**

Evaporative Light Scattering Detector (ELSD)-Temperature range drift tube: 5-100°C; 0.1°C increment, feedback accuracy to 0.1°C.

Read as:

Evaporative Light Scattering Detector (ELSD)-Temperature range drift tube/**nebulizer:** 20-100°C 0.1°C increment, feedback accuracy to 0.1°C.

3. **Existing specification:**

Evaporative Light Scattering Detector (ELSD) - Light source: Tungsten halogen polychromatic front mounted, pre-aligned, user installable.

Read as:

Evaporative Light Scattering Detector (ELSD) - Light source: Tungsten halogen polychromatic or **LED/Laser front mounted**, pre-aligned, user installable.

Schedule No. 5 HPLC Quaternary Gradient with UV-VIS Detector with Auto sampler

1. **Existing specification:**

Pump: Flow: 0.01 to 10 ml/min.

Read as:

Pump: Flow: **0.2** -10 ml/min.

Schedule No. 6 Fast HPLC Quaternary Gradient System with UV-Detector and Auto Sampler

1. **Existing specification:**

PUMP- Flow rate: 0.01 to 10ml/min

Read as:

PUMP- Flow rate: 0.01 to **5ml/min**

Schedule No. 7 GLC WITH FID detector with head space

1. **Existing specification:**

Para A) Temperature Programmable Oven for column: 1. Should have an operating range of few degrees above ambient to 450°C or higher.

Read as:

Para A) Temperature Programmable Oven for column: 1. Should have an operating range from **30°C to 45°C or higher.**

2. **Existing specification:**

Para C) Two No. Flame Ionization Detector (FID) (one for packed and one for capillary columns)

3) Detectivity: 2 x 10⁻¹²gC/sec

Read as:

Para C) Two No. Flame Ionization Detector (FID) (one for packed and one for capillary columns)

3) Detectivity: **3 x 10⁻¹²** - 12gC/sec

3. **Existing specification:**

Para C) Two No. Flame Ionization Detector (FID) (one for packed and one for capillary columns)

5) Acquisition rate 50 Hz or more.

Read as:

Para C) Two No. Flame Ionization Detector (FID) (one for packed and one for capillary columns)

5) Acquisition rate **50 Hz or Points per second.**

4. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) - The auto sampler must permit adjustable and known sample volume to be introduced without requiring a change of sample loops.

Read as:

"Head Space with Transferline"(AUTOSAMPLER) - The auto sampler must permit adjustable and known sample volume to be introduced without requiring a change of sample loops.

5. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) - Sample vapour of upto 15 ml can be injected for high sensitivity analysis.

Read as:

1. HEAD SPACE (AUTOSAMPLER) - Sample vapour of **upto 1.5 ml** can be injected for high sensitivity analysis.

6. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) -The autosampler must permit free access to the injection port for routine maintenance and manual injection.”

Read as:

Deleted.

7. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) -Must allow housing of 8 or more sample vials of 10 or 20 ml capacity”.

Read as:

1. HEAD SPACE (AUTOSAMPLER) - **"Must allow Pre-heating /Pre-Incubation** of 8 or more sample vials of 10 or 20ml capacity".

8. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) -Must feature dedicated turret for handling of proprietary gas tight syringe.

Read as:

Deleted.

9. **Existing specification:**

1. HEAD SPACE (AUTOSAMPLER) -The syringe must be heated and feature a gas line for purging with inert gas, when required.

Read as:

Deleted.

10. Existing specification:

1. HEAD SPACE (AUTOSAMPLER) -The type and volume of the syringe must be automatically detected by the system.

Read as:

Deleted.

11. Existing specification:

1. HEAD SPACE (AUTOSAMPLER) -Must handle any Large Volume injection techniques. (PTV-LV, LV Split less, LV- On column).

Read as:

Deleted.

12. Existing specification:

2. LIQUID AUTOSAMPLER-Must allow installation of two needle length syringes, so to be able to address any injection mode or injector type.

Read as:

Deleted.

13. Existing specification:

2. LIQUID AUTOSAMPLER-The type and volume of the syringe must be automatically detected by the system.

Read as:

Deleted.

14. Existing specification:

2. LIQUID AUTOSAMPLER- 1. The sampling system must be programmable with 8 different operating modes and, if required must allow access to a lower level of parameter setting.

Read as:

Deleted.

15. Existing specification:

2. LIQUID AUTOSAMPLER - 2. Must be able to achieve combined multiple solvent rinsing with upto 4 different solvents.

Read as: 2. LIQUID AUTOSAMPLER - 2. "Syringe washing must be able to achieve with combined multiple solvent rinsing".

Schedule No. 9 HPTLC System

1. Existing specification:

Para: Data evaluation 32 bit software (latest version), Linked to System Manager, Automatic / Manual integration, Auto baseline correction.

Read as:

Data evaluation 32 bit software (latest version), Linked to **System Manager: "cGLP and 21 CFR part 11 compliance integrated software"**, Automatic / Manual integration, Auto baseline correction.

2. Existing specification:

Para.(A) SEMI AUTOMATIC SPOT / BAND APPLICATOR: selectable, variable rate of delivery, accepts 100 ul & 500 ul syringes. Self diagnostic + validation + Link to System Manager built-in.

Para.(B) TLC SCANNER WITH DATA EVALUTION / DENSITOMETER: Data evaluation 32 bit software (latest version), Linked to System Manager, Automatic / Manual integration, Auto baseline correction.

Read as:

Para.(A) SEMI AUTOMATIC SPOT / BAND APPLICATOR: selectable, variable rate of delivery, accepts 100 ul & 500 ul syringes. Self diagnostic + validation + Link to **cGLP and 21 CFR part 11 compliance integrated software"**.

Schedule.No. 10 Auto Potentiometric Titrator

1. Existing specification:

Para.5: Burette resolution (for 10-mL burette): 0.5 µL (1/20'000 of the burette volume) with plug and play burettes

Read as:

Burette resolution (for 10-mL burette): 0.5 µL (**1/10000** of the burette volume) with plug and play burettes

2. Existing specification:

Para 6. Terminal: Touch control, VGA atleast 5.0" colour TFT, 320 x 240 pixel, Adjustable Display.

Read as:

Deleted.

3. Existing specification:

Para 7. Up to 12 one click (methods) on home page for up to 30 users each and individual home screens for the user (30 users) with password protection.

Read as:

Deleted.

4. Existing specification:

Para 8. Two home keys to get back to home page immediately.

Read as:

Deleted.

5. Existing specification:

Para 12. In built magnetic stirrer and propeller stirrer and Speed control by Titrator.

Read as:

In built **magnetic stirrer OR propeller stirrer** and Speed control by Titrator.

6. Existing specification:

Para.13: Ethernet connection: Built-in Ethernet connection to directly attach the Titrator to the network.

Read as:

Deleted.

7. **Existing specification:**

Para 16. Weight transfer from balance: Fast takeover of sample weights via balance or terminal means bidirectional control be possible.

Read as:

Weight transfer from balance: Fast takeover of sample weights via balance **be possible using the software.**

8. **Existing specification:**

Para 19. Fully integrated network software management and controlled in standalone or network dual mode operation touch-screen and PC software.

Read as:

“Fully integrated network software management and controlled in standalone **mode operation with PC software**”.

Schedule.No. 11 Karl Fisher Titrator

1. **Existing specification:**

Para 4: Burette resolution (for 5 mL burette): 0.25 µL

Read as:

Burette resolution should be 1/10000

2. **Existing specification:**

Para 10. Measurement range: 10 ppm...100%

Read as:

Measurement range **100ppm-100%.**

3. **Existing specification:**

Para 18: Modern communication (USB, Ethernet) and up-to-date technology.

Read as:

Deleted.

4. **Existing specification:**

Para 20. Fully integrated network software management and controlled in standalone or network dual mode operation touch-screen and PC software.

Read as:

Fully integrated network software management and controlled in standalone mode with **touch-screen OR PC software.**

Schedule No. 14 Automated Digital Polarimeter fully control by PC ,with the following features

1. **Existing specification:**

Automated Digital Polarimeter fully control by PC, with the following features.

Read as:

Automated digital polarimeter fully control by **PC / inbuilt 21 CFR part 11 compliant software.**

2. **Existing specification:**

"Temperature Controlled Cell Compartment Min Tube Length 220 mm".

Read as:

"Temperature Controlled Cell Compartment **Min Tube Length 200 mm**".

Schedule No. 15 Digital Refractometer

1. **Existing specification:**

Accuracy PR-H: ± 0.00002 nD; $\pm 0.02\%$ Brix

PR-S: ± 0.0002 nD; $\pm 0.2\%$ Brix

Resolution PRB-H: 0.00001nD; 0.1%Brix

PRB-S: 0.0001nD; 0.1%Brix

Read as:

Accuracy: **± 0.0002 or better**

Resolution: **± 0.00002 or better**

2. **Existing specification:**

Temperature Measurement -10-99.9DegreeC

Read as:

Temperature Measurement **-5-70 Degree C or better.**

Schedule No. 16 Analytical balance with 5 digits display

1. **Existing specification:**

Linearity: 0.2 mg

Read as:

"Linearity <0.2mg"

2. **Existing specification:**

Sensitivity Temperature Drift (10oC30oC): 2.5 ppm/oC

Read as:

Sensitivity Temperature Drift (10°C30°C): **≤ 2.5 ppm/Oc**

3. **Existing specification:**

Setting Time, Typical 4s/>15s

Read as:

Setting Time, **Typical <15s**

4. **Existing specification:**

PRINTER - Suitable Laser Printer as per General Specification.

Read as:

PRINTER - **GLP Lab printer.**

Schedule.No. 17 Pharma Refrigerator

1. **Existing specification:**

Alarm for power failure, temperature, sensor failure and incorrect voltage.

Read as:

Alarm for power failure, temperature, sensor failure.

2. **Existing specification:**

Voltage Stabilizer and suitable power backup unit for 30 minutes.

Read as:

Voltage Stabilizer and suitable “power backup 30 minutes is for display controller, data logger and alarm.”

3. **Existing specification:**

PRINTER Suitable Laser Printer

Read as:

Deleted.

Schedule. No. 18 Pharma Refrigerator

1. **Existing specification:**

Para 6- Number of Doors: 2 glasses Doors

Read as:

Number of Door: **Single glass door**

2. **Existing specification:**

Para 10- Alarm for power failure, temperature, sensor failure and incorrect voltage.

Read as:

Alarm for power failure, temperature, sensor failure.

3. **Existing specification:**

Para 11- Voltage Stabilizer and suitable power backup unit for 30 minutes.

Read as:

Voltage Stabilizer and suitable “power backup 30 minutes is for display controller, data logger and alarm.”

Schedule.No. 19 Water Purification System

1. **Existing specification:**

Page no. 42: The system should be table top model with on line TOC & LCD display facility, flow rate up to 1.5 L/min, Dual purification cartridges with organic absorbents, ion exchange resins and membrane processes to purify the water to 18.2 mega ohms, in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification, The system should have a pure water recirculation system to maintain consistent peak quality.

Read as:

"The system should be table top model with on line TOC & LCD display facility, flow rate up to 1.5 L/min, **Purification cartridges** with organic absorbents, ion exchange resins and membrane processes to purify the water to 18.2 mega ohms, in order to satisfy ASTM TYPE 1, ISO 3696 and USP Specification, The system should have a pure water recirculation system to maintain consistent peak quality."

2. **Existing specification:**

Page no. 41: Type-II - TOC: <20ppb

Read as:

Type-II - TOC: <30ppb

Schedule No. 20 Bacterial Endotoxin KTA and KCA

1. **Existing specification:**

Para 6. Software: Compatible software for assay of Endotoxins by Kinetic Turbidimetric Assay & Kinetic Chromogenic Assay. Preferably CE certified.

Read as:

Software: Compatible software for assay of Endotoxins by Kinetic Turbidimetric Assay & Kinetic Chromogenic Assay. Preferably CE certified. **“Dedicated Software only for Bacterial Endotoxin, should be 21 CFR compliant and be capable of trending the whole Data”**.

2. Existing specification:

Justification: 2. "Faster analysis- estimation of endotoxins can be done in 10 minutes instead of 1 hour in case of conventional gel clot method".

Read as:

“Faster analysis- Quantitative estimation of endotoxins can be done in 10-60 minutes (Depends upon Assay) instead of hour in case of conventional gel clot method (Qualitative Assay)”.

Schedule No. 21 Tensile tester**Added Para:**

- i. Machine should be Dual column tabletop.
- ii. Capacity of machine – Not less than 20 KN
- iii. Load cell required – 2
- iv. Maximum elongation in mm of the material which undergoes tensile testing- 900mm Approx.
- v. Maximum and minimum speed/velocity - 0.005mm/min to 1270 mm/ min
- vi. Dimension for flat and round specimen- For round 40 mm diameter
- vii. Maximum Load – 30KN
- viii. Standards followed for each material testing: ESTM- E4 , ISO 7500/1, EN-10002/2
- ix. Component to be tested- Needles, Surgical Suture including steel suture, Adhesive tapes, & Transfusion and Infusion Set.
- x. Sample Length - Will vary with samples
- xi. Machine Type - Computerized
- xii. Rate of movement of moving jaw – user selectable
- xiii. Type of gripper needed in m/c -Jaw Type

Schedule No. 22 Amino Acid Analyser**1. Existing specification:**

Pump: Simultaneous 2- piston technology for 2 fluid lines.

Read as:

Pump: 2 piston technology high pressure binary gradient pump with two fluid lines.

2. Existing specification:

Auto sampler: Sample cooling 8°C by Peltier elements.

Read as:

Auto sampler: Sample cooling 4°C by Peltier elements.

Schedule No. 23 Liquid NITROGEN Storage System**1. Existing specification:**

Brand Name - IBP/ Thermo Scientific / Any other make

Read as:

Deleted.

Schedule No. 24 Ion Chromatography System

1. Existing specification:

Electrochemical Detector Cell Kit- Cell volume <0.2 µL

Read as:

Electrochemical Detector Cell Kit- **Cell volume <0.5 µL**

2. Existing specification:

Auto-Sampler- Sample Capacity 100 x 2ml or more.

Read as:

Auto-Sampler- Sample Capacity 50 x 0.5ml or more.

3. Existing specification:

Auto-Sampler- Variable Volume Range: 0.1 µL to 100 µL (Standard)

Read as:

Auto-Sampler- Variable Volume Range - 1 µL to 100 µL (Standard).

4. Existing specification:

Auto-Sampler- Dispensing Precision <0.2% RSD

Read as:

Auto-Sampler- Dispensing Precision: **<0.5% RSD.**

5. Existing specification:

Auto-Sampler- Carryover <0.01% with 500 µL flush volume.

Read as:

Auto-Sampler- **Carryover: <0.05%.**

6. Existing specification:

Auto-Sampler- Sample Tray (Thermostating): 4° C to Ambient temperature.

Read as:

Auto-Sampler- Sample Tray (Thermostating): **4° C to 5° C below Ambient temperature.**

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

Note: Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids