

## Corrigendum No: 1 Issued on dated 07/10/2013

Ref: Tender Enquiry No: HLL/PCD/CDSCO-01/13-14 and Pre-Bid meeting held on 23/09/2013 at HLL Lifecare Ltd., B-14A, Sector-62, Noida - 201 307

The following amendments are issued with respect to the above tender Enquiry Document.

### Section I, Notice Inviting Tenders (NIT)

For:

(2) Tender No.: HLL/PCD/CDSCO-01/13-14

Sl No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	13.09.2013 to 14.10.2013
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Ltd, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3000/-
iv	Pre Tender Meeting Date & Time	23.09.2013 at 1100 hrs.
v	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	15.10.2013 at 1400 hrs
vii.	Time and date of opening of Techno – Commercial tenders	15.10.2013 at 1430 hrs
viii	Venue of Opening of Techno Commercial Tender	Same as above

Read As:

(2) Tender No.: HLL/PCD/CDSCO-01/13-14

Sl No.	Description	Schedule
i.	Dates of sale of tender enquiry documents	13.09.2013 to 21.10.2013
ii.	Place of sale of Tender Enquiry Documents	HLL Lifecare Ltd, (A Government of India Enterprise), Procurement & Consultancy Services Division, B-14 A, Sector-62, Noida -201 307
iii.	Cost of the Tender Enquiry Document	Rs. 3000/-
iv	Pre Tender Meeting Date & Time	23.09.2013 at 1100 hrs.
v	Pre Tender Meeting Venue	Same as 2 (ii)
vi.	Closing date & time for receipt of Tender	22.10.2013 at 1400 hrs
vii.	Time and date of opening of Techno – Commercial tenders	22.10.2013 at 1430 hrs
viii	Venue of Opening of Techno Commercial Tender	Same as above

## Section VII, Technical Specifications

### Item No. 1

#### HPLC Quaternary Gradient with UV-VIS Detector with Auto sampler

**1 For Existing Specification: 1.PUMP: Flow: 0.001 to 10 ml/ min**

**Read as: 1.PUMP: Flow: 0.01 to 10 ml/ min**

**2 For Existing Specification: 2. DETECTORS: MULTI WAVELENGTH UV- VIS:**  
Simultaneous Multi wavelength Measurement at four points.

**Read as: 2. DETECTORS: MULTI WAVELENGTH UV- VIS:** Multi wavelength  
Measurement at four points.

**3 For Existing Specification: 3. THERMOSTATED COLUMN COMPARTMENT WITH  
COOLING FACILITY: Workable Temperature Range: Ambient to 100 degree C**

**Read as: 3. THERMOSTATED COLUMN COMPARTMENT WITH COOLING  
FACILITY: Workable Temperature Range: 5 to 80 degree C**

**4 Added Para: 1. PUMP: Gradient Delay Volume: - 2 ml or better.**

**5 Added Para: 5.HPLC COLUMNS:**

C-8 -300 mm X 4.6 X 5  $\mu$ m – 2 Nos

C-18 – 300 mm X 4.6 X 5  $\mu$ m- 2 No

**6 Added Para: Suitable On –line UPS with surge protector for system having atleast 30 min  
backup for system, PC and printer .**

### Item No. 2

#### Fourier Transform Infra Red Spectrophotometer (FT-IR)

**1 For Existing Specification: Major Accessory - 1 Nos. ATR**

**Read as:** 1 No. ATR with monolithic diamond crystal covering wavelength range 7800 to 400cm<sup>-1</sup>

**2 For Existing Specification: Major Accessory**

- 1 Nos. Hydraulic Press with 13mm KBr die and Pellet Holder should be supplied

**Read as :** 1 Nos. Hydraulic Press with 13mm KBr die and Pellet Holder should be supplied which is manufactured by specac / harrick / pie/ imported.

**Added Para: Suitable On –line UPS with surge protector for system having atleast 30 min backup for system, PC and printer**

**Item No. 3**

**Spectro fluorometer**

**Added Para: Suitable On –line UPS with surge protector for system having atleast 30 min backup for system, PC and printer**

**Item No. 4**

**KF Titrator**

**1 For Existing Specification: 2. Burette Resolver resolution : 0.0625% of burette volume**

**Read as: 2.Burette Resolver resolution: 0.07 % of burette volume**

**2 For Existing Specification: 5. Polarized Measurement range: -2000...+2000 mV**

**Read as: Polarized Measurement range: ± 1200 mv**

**3 For Existing Specification: 7. Polarization current range: 0...200 µA**

**Read as: Polarization current range: ± 120 µA**

**4 For Existing Specification: SOFTWARE WITH P.C. AND PRINTER**

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

**Read as: SOFTWARE WITH P.C. AND PRINTER:**

**Suitable software compatible to 21 CFR Part 11 Compliance with valid license key provided through manufacturer. License key should supply along with instrument from original manufacturer along with instrument.**

**5 Added Para: Suitable On –line UPS with surge protector for system having atleast 30 min backup for system, PC and printer**

**Item No. 5**

**Thermo Gravimetric Analyzer**

**1 Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 6**

**DSC (DIFFERENTIAL SCANNING CALORIMETER)**

**1 For Existing Specification: Furnace material: Alumina coated aluminum**

**Read as: Furnace material: Alumina coated aluminum or better**

**2 For Existing Specification: Optional: System should not need recalibration when changing crucible, gases and heating rates.**

**Read as: System should not need recalibration when changing crucible, gases and heating rates.**

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 7**

**Viscometer with Helipath**

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 8**

**Amino Acid Analyzer**

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 9**

**Total Organic Carbon (TOC) Analyser**

**1. For Existing Specification:** Total Organic Carbon (TOC) Analyser for analysis of the total organic carbon (TOC), total inorganic carbon (TIC), and non-purgeable organic carbon (NPOC) content of the aqueous samples in compliance with international methods USP, EUP, ASTM, ISO, USEPA, CEN , STD.

**Read as:** Total Organic Carbon (TOC) Analyser for analysis of the total organic carbon (TOC), total inorganic carbon (TIC), **or** non-purgeable organic carbon (NPOC) content of the aqueous samples in compliance with international methods **IP**, USP, EUP, ASTM, ISO, USEPA, CEN , STD etc .

**2 For Existing Specification: Measurement Range:** from 2 ppb to 30,000 ppm

**Read as: Measurement Range: 4 ppb to 30,000 ppm**

**3 For Existing Specification:** Analysis Time; 3 minutes

**Read as:** Analysis Time; 5 min or better.

**4 For Existing Specification:** Reaction Chamber: temperature up to 100 deg. C

**Read as: Deleted**

**5 For Existing Specification: Sample volume and Injection:** 10 µl to 10 ml through syringe

**Read as:** sample volume and injection: 10µl to 10 ml **or more for wet oxidation and 10µl to 1000µl or more for high temperature catalytic oxidation.**

**6 For Existing Specification:** TOC Analyser should handle particles upto 750 µm

**Read as: Deleted**

**7 For Existing Specification:** TOC Analyser should have two parallel wet oxidation chambers allowing simultaneous sample processing for maximum sample throughput.

**Read as:** TOC analyzer should have one or two oxidation chambers to suit the requirement of measuring range.

**8 For Existing Specification: Calibration:** Calibration with suitable linear regression coefficient

**Read as: Calibration : Single Point as well as Multipoint calibration should be possible.**

**9 For Existing Specification :** TOC Analyser quoted should be upgradable with auto sampler and Total Nitrogen determination option in future.

**Read as:** TOC Analyser quoted should be upgradable with auto sampler.

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

## **Item No. 10**

### **HPTLC SYSTEM**

**1 Added Para - Spectrum Library software: Once an API (or any substance) has been analyzed by HPTLC, it's UV and Vis. absorbance can be recorded and stored for searching**

letter in a library format. This may eliminate the need for standards during identification.  
(Price should be offered separately)

**2 Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

### **Item No. 11**

#### **Phase contrast Micro scope**

**1 For Existing Specification:** 4. LED illumination, 6000K temp, 25000hours lifetime.

**Read as:** 4. LED illumination, 6000K temp, **at least 20000** hours lifetime.

**3 For Existing Specification :** 5. Time delay illumination shut off facility.

**Read as: Deleted.**

### **Item No. 13**

#### **Liquid Particle Counter**

**1 For Existing Specification: Calibration fluid:** De-ionized water

**Read as: Calibration fluid** – Certified reference material as per pharmacopoeial guidelines.

### **Item No. 14**

#### **Atomic Absorption Spectrometer (AAS)**

**1. For Existing Specification:** BURNER HEAD TYPE: Acetylene- 50 mm and Nitrous Oxide Burner – 100mm

**Read as:** BURNER HEAD TYPE: Acetylene- **100 mm** and Nitrous Oxide Burner –**50** mm.

**2. For Existing Specification: ACCESSORY ADJUSTMENT:**

Fully computer controlled spectrometer for all major accessories, Burner Heads, FIAS, Autosampler etc under software control

**Read as: ACCESSORY ADJUSTMENT**

Fully computer controlled spectrometer for all major accessories, Burner Heads, Autosampler etc under software control

**3.For Existing Specification: NEBULIZER TIP:** Adjustable GEM TIP Nebulizer to take analysis with acids, corrosive samples including HF

**Read as: NEBULIZER TIP:** Adjustable GEM/ **Ceramic** TIP Nebulizer to take analysis with acids, corrosive samples including HF

**4 .For Existing Specification: ACCESSORY ADJUSTMENT:** Fully computer controlled spectrometer for all major accessories, Burner Heads, FIAS, Autosampler etc under software control

**Read as: ACCESSORY ADJUSTMENT:** Fully computer controlled spectrometer for all major accessories, Burner Heads, Autosampler etc under software control

**5.For Existing Specification:** Hydride Generator for element As, Se, Hg, Si, Sb, Sn etc.

**Read as:** Hydride generator **with auto sampler and auto dilutor** for element As, Se, Hg, Si, Sb, Sn etc.

**6.Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

### Item No. 15

#### UV-VIS SPECTROPHOTOMETER

**For Existing Specification: WAVE LENGTH RANGE** - 190 nm to 1100 nm

**Read as: WAVE LENGTH RANGE** - 190 nm to **900** nm

**For Existing Specification: STRAY LIGHT** -0.0025% OR LESS

**Read as: STRAY LIGHT** – 1.2 % w/v solution of KCL at 200 nm :  $\geq 2$  Abs

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**



### **Item No. 16**

**Dissolution Test Apparatus (Auto Sampler) with microprocessor based temperature controlled water bath with 8 bowls temperature maintained by pumping system**

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

### **Item No. 17**

#### **Digital Polarimeter**

#### **1 Added Para :**

##### **Standard, Safety and Training**

1. Should be FDA/ UL/ CE/ BIS approved product.
2. Canadian Standards Association & CAN/CSA-C22-2 No. 61010-01-4, CSA/Nationally Recognized Test Laboratory (NRTL) UL 61010-1:2005 & International Electrotechnical Commission (IEC) 61010-1, EuroNorm (EN): 61010-1
3. Manufacturer should have ISO 9001 certificate for quality standards.
4. On site comprehensive training for lab staff and support services till customers satisfaction with the system.
5. Installation testing: Supplier of the instrument must provide free installation, commissioning and testing
6. User/Technical/Maintenance manuals to be supplied in English.
7. Certificate of Calibration and Inspection.
8. List of Equipment available for providing calibration and routine Preventive maintenance support as per manufacturer service/maintenance manual.
9. Compliance report to be submitted in a tabulated and point wise manner clearly mentioning the page/ para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue /manual, will not be considered.
10. Current users /performance list to be provided and demonstration covering all aspects has to be provided.
11. Validation document should supply by vendor etc IQ, OQ, PQ.
12. Surge Protector is to be quoted and supplied with the instrument.

#### **DOCUMENTS AND TRAININGS:**

- IQ - OQ and PQ documents

On site Calibration with traceable reference material, to be done by the supplier on installation and there after every six months during warranty and CMC period.

On Site Training at the time of installation.

**2 Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

### **Item No. 18**

#### **Thermo cycler(Polymerase Chain Reaction)-PCR**

**Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

### **Item No. 19**

#### **Auto Potentiometric Titrator**

**1 For Existing Specification: 3. Polarized Sensor Measurement range: 0 ... 2000 mV / 0 ... 200  $\mu$ A**

**Read as: 3. Polarized Sensor Measurement range: 0 ...  $\pm$ 1200 mV / 0 ...  $\pm$ 120  $\mu$ A**

**2 For Existing Specification: 6. Terminal: Touch control, ¼ VGA 5.7" colour TFT, 320 x 240 pixel, Display Adjustable in three positions**

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

### **3.For Existing Specification: SOFTWARE WITH P.C. AND PRINTER**

Suitable software 21 CFR PART II compliance, Laser Printer and computer as per General Specification

**Read as: Suitable software compatible to 21 CFR Part 11 Compliance with valid license key provided through manufacturer. License key should supply along with instrument from original manufacturer along with instrument.**

**4 Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 20**

**HPLC Quaternary Gradient with PDA,RI & Fluorescence Detector with**

**Auto sampler**

**1 For Existing Specification: 2. DETECTORS: (a) PDA: Wave length Range: 190-800 nm**

**Read as: 2. DETECTORS: (a) PDA:Wave length Range: 190-700 nm**

**2 For Existing Specification: 2. DETECTORS: (b) RI DETECTOR:Cell Volume: approximately 10uL**

**Read as: 2. DETECTORS: (b) RI DETECTOR: Cell Volume : atleast 8 µL**

**3 For Existing Specification: 3. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY-WORKABLE TEMPERATURE RANGE-Ambient to 100 Degree C**

**Read as: 3. THERMOSTATED COLUMN COMPARTMENT WITH COOLING FACILITY-WORKABLE TEMPERATURE RANGE- 5 to 80 Degree C**

**4 For Existing Specification: 4. AUTOSAMPLER: Replicate Injection: per vial 1-99**

**Read as: 4. AUTOSAMPLER: Replicate Injection: per vial 1-50**

**5 Added Para – Gradient Delay Volume: 2 ml or better.**

**6 Added Para 5. HPLC COLUMNS:**

**C-8 -300 mm X 4.6 X 5 µm – 2 Nos**

**C-18 – 300 mm X 4.6 X 5 µm- 2 No**

**7 Added Para: Suitable On -line UPS with surge protector for system , PC and printer having atleast 30 min backup**

**Item No. 21**

**Water Purification Unit**

**1 For Existing Specification:** Feed water specification:

Source of water: Municipal tap water / ground water

**Read as: System should have pre filtration unit to remove the particulate matters, activated carbon to remove organic contaminants.**

**2 For Existing Specification: Feed water specification:**

**Capacity:** 30 liters or more

**Read as: Feed water specification:**

**Storage Capacity of reservoir / tank:** 30 liters or more **made up of HDPE**

**For Existing Specification: SOFTWARE WITH P.C. AND PRINTER**

Suitable software 21 CFR PART II compliance, Laser Printer and computer

as per General Specification

**Read as: Deleted**

**Note- where ever 21 CFR compliance software is asked in the specification it should be read as Suitable software compatible to 21 CFR Part 11 Compliance with valid license key provided through manufacturer. License key should supply along with instrument from original manufacturer along with instrument.**

**All other contents of the Tender Enquiry Document including terms and conditions of the tender enquiry remain unchanged.**