

**Amendment No.6****Date: 18.10.2014****Subject: Amendment no. 6 to the Tender Enquiry Document**

- Ref: (i) Tender Enquiry No.: HLL/PCD/PMSSY/AIIMS-II/18/14-15 dated 20.06.2014**  
**(ii) Amendment No. 1 dtd. 30.07.2014**  
**(iii) Amendment No. 2 dtd. 16.08.2014**  
**(iv) Amendment No.3 dtd. 15.09.2014**  
**(v) Amendment No.4 dtd. 26.09.2014**  
**(vi) Amendment No. 5 dtd. 13.10.2014.**

The pre bid meeting of the above referred tender enquiry was held on 01.07.2014. Based on pre-bid discussions following amendments are being incorporated in the tender enquiry document.

**Section I**  
**Notice Inviting Tenders(NIT)**

**(1) For:-**

S.No	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
<b>CI Pathology</b>					
5	Automated urine analyser	Lab Medicine & Pathology	1	6	120,000
<b>Common</b>					
11	High speed autoclave	Lab Medicine & Pathology	1	6	24,000

**Read as:-**

S.No	Name of Equipment	Department	Quantity per AIIMS	Total Quantity for 6 AIIMS	EMD
<b>CI Pathology</b>					
5	Automated urine analyser	Lab Medicine & Pathology	1	6	<b>4,44,000</b>
<b>Common</b>					
11	High speed autoclave	Lab Medicine & Pathology	1	6	<b>96,000</b>

**Section VII**  
**Technical Specifications**

## TECHNICAL AMENDMENTS

Tender Ref: HLL/PCD/PMSSY/AIIMS-II-18/13-14

### Item No: 1

#### Fully automated haematology analyser -5 part Differential with Reties & NRBC

##### Added Para:

1. Demonstration of the quoted model is must.
2. Installation should include validation as per international standard (eg. Westgard/ CLSI)
3. Calibrators should be available when needed i.e Quarterly (3 months in a year) or on failure of QC
4. Coefficient of variation of test should be less than 30 % of the recommended total acceptable error as the CLSI

### Item No: 2

#### Fully Automated Coagulation Analyser

##### 1. Existing Specification:

Para: 13. Availability of 1000 Cuvettes in roll.

##### Read as:

Para: 13 Availability of minimum 300 cuvette capacity in a roll with continuous loading.

##### 2. Existing Specification:

Para: 17. Sample positions more than 90 with all STAT Facility

##### Read as:

Para: 17 Availability of minimum 50 sample positions with continuous loading /STAT facility.

##### 3. Existing Specification:

Para: 18. Reagent positions more than 40, all at 15°C

##### Read as:

Para: 18 Availability of minimum 20 reagent positions, all at 15 deg C

##### Added Para:

1. Demonstration of the quoted model is must.

2. Installation should include validation as per international standard (eg. Westgard/ CLSI)
3. Calibrators should be available when needed i.e Quarterly (3 months in a year) or on failure of QC
4. Coefficient of variation of test should be less than 30 % of the recommended total acceptable error as the CLSI

**Item No: 3**  
**Automated ESR Analyzer**

**Added Para:**

Demonstration of the quoted model is must.

**Item No: 4**  
**Binocular Microscope**

**1. Existing Specification:**

Para: Optical parts should be manufactured in Japan/ Germany

**Read as:**

Para: **All components should be from same manufacturer.**

**2. Existing Specification:**

Para: Illuminator : Lamp House for LED with connecting cable having life Span of 20,000 hrs approx

**Read as:**

Para: **ILLUMINATOR: LAMP HOUSE FOR SCIENTIFIC GRADE LED WITH CONNECTING CABLE HAVING LIFE SPAN OF >20,000 HRS**

**3. Existing Specification:**

Revolving nosepiece : Reversed Sextuple revolving nosepiece. **Should be upgradeable to DIC in future.**

**Read as:**

Revolving nosepiece : Reversed Sextuple revolving nosepiece

**4. Existing Specification:**

Para: Objectives : Plan ZX N.A 0.06  
4X N.A 0.10



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**Read as:**

Objectives:

Plan 2X /2.5X N.A 0.06

4X / 5X N.A 0.10

**5. Existing Specification:**

Para: Observation tube : Wide field Trinocular Eyepiece Tube.

**Read as:**

Observation tube : **Wide field Binocular Eyepiece Tube with 10X Eye Piece of 22MM or more FOV.**

**6. Added Para:**

Demonstration of the quoted model is must.

**Item No: 5  
Urine Analyzer**

**Note:** Estimated Unit Price may be revised to Rs. 37,00,000/-

**Added Para:**

Demonstration of the quoted model is must.

Installation includes the validation of the performance of the equipment.

**Item No: 6  
Binocular Microscope**

**1. Existing Specification:**

Para: Illuminator : Lamp House for LED with connecting cable having life Span of 20,000 hrs approx

**Read as:**

Para: ILLUMINATOR: LAMP HOUSE FOR SCIENTIFIC GRADE LED WITH CONNECTING CABLE HAVING LIFE SPAN OF >20,000 HRS

**2. Existing Specification:**

Para: Revolving nosepiece : Reversed Sextuple revolving nosepiece. Should be upgradeable to DIC in future.

**Read as:**

Para: Revolving nosepiece: reversed sextuple revolving nosepiece

**3. Existing Specification:**

Para: Objectives : Plan Achromat 2X N.A 0.06  
Plan Achromat 4X N.A 0.10

**Read as:**

Objectives:  
Plan Achromat 2X/ 2.5X N.A 0.06  
Plan Achromat 4X/ 5X N.A 0.10

**4. Existing Specification:**

Para: Observation tube : Wide field Trinocular Eyepiece Tube with 10X eyepieces of 22mm F.O.V

**Read as:**

OBSERVATION TUBE: WIDE FIELD TRINOCULAR EYE PIECE TUBE WITH 10X EYE PIECE OF 22MM OR MORE F.O.V

**5. Existing Specification:**

Para: Camera & Software : Digital Cooled CCD Camera approx 10MP/12MP , Software to capture and image processing.

**Read as:**

Para: SCIENTIFIC GRADE DEDICATED MICROSCOPY CCD/CMOS CAMERA APPROX 12MP OR MORE AND HAVING REAL TIME IMAGING AND ANALYSIS

**6. Existing Specification:**

Para: The system should be upgradeable to Fluorescence attachment with multicolour 7-8 Filters positions on a turret at a time.

**Read as:**

Para: The system should be upgradeable to Fluorescence attachment with multicolour atleast 6 Filters positions on a turret at a time

**7. Added Para:**

Demonstration of the quoted model is must.



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**Item No: 7**  
**High Speed Cold Centrifuge (Floor model)**

**1. Existing Specification:**

Para: 1. Floor model cold centrifuge with temperature setting in a range of -10°C to +40°C with CPC free condenser.

**Read as:**

Para: 1 Floor model cold centrifuge with temperature setting in a range of -10°C to +40°C with CFC free refrigeration.

**2. Existing Specification:**

Para: 4. Access to various angles rotors with variable capacity to adopt 250ml x 4, 120ml x 4, 50ml x 10, 15ml x10-12, 1.5ml x 18-24 and 96 well microtitre plates.

**Read as:**

Para: 4. Access to various angles rotors with variable capacity to adopt 250ml x 4, 100ml x 4, 50ml x 8, 15ml x10-12, 1.5ml x 18-24 and 96 well microtitre plates.

**3. Existing Specification:**

Para: 10. Should provide adaptors for 15ml, 30ml both 'U' & 'V' bottom tubes.

**Read as:**

Deleted

**4. Added Para:**

Demonstration of the quoted model is must. . The company should bring their own calibrated tachometer during the time of demonstration.

**Item No: 7**  
**Tabletop Centrifuge**

**1. Existing Specification:**

Para 4: Machine should be compatible for 100-120 x 7ml, 64 x 15ml, and 20 - 30 x 50 ml with swing bucket rotor (Max RPM 4,000 and Max RCF 3,500. Fixed angle rotor to adopt 15/50ml x6 and 96 well microtitre plates.

**Read as:**

Para: 4 Machine should be compatible for 96-120 x 7ml, 55-65 x 15ml, and 20 - 30 x 50 ml with swing bucket rotor (Max RPM 4,000 and Max RCF 3,500. Fixed angle rotor to adopt 15/50ml x6 and 96 well microtitre plates.



**2. Existing Specification:**

Para: 6. Should have 99.99 min run time plus hold function.

**Read as:**

Para: 6. Should have **99 Hrs and 59 minutes run time and hold function.**

**3. Existing Specification:**

Para: 8 Noise not more than 65db

**Read as:**

Para: 8 Noise not more than **68db**

**4. Existing Specification:**

Para 10 : Safety features to indicate imbalance, improper chosen rotor, interruption centrifuge programme, variation from set temperature.

**Read as:**

Para 10: Safety features to indicate imbalance, improper chosen rotor, interruption centrifuge programme.

**5. Added Para:**

Demonstration of the quoted model is must. The company should bring their own calibrated tachometer during the time of demonstration.

**Item No: 10  
Deep Freezer (-80 deg C)**

**1. Existing Specification:**

Para: 2. Capacity 350 litres but less than 400 litres.

**Read as:**

Para: 2 Capacity 350 litres but less than **420 litres.**

**2. Existing Specification:**

Para: 6. Temperature stability for each shelf should be +/- 1.0 C of the set temperature

**Read as:**

Para:6 Temperature stability for each shelf should be **upto +/- 1.5°C** of the set temperature.



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**Item No: 11**  
**High Speed Rapid Autoclave**

**1. Existing Specification:**

Para: 8. Should be US FDA or European CE certified.

**Read as:**

Para: 8 Should be USFDA or European CE certified . The process of the sterilizer should be validated in accordance to EN 13060.

**Added para:**

The chamber , jacket and steam generator should be made of stainless steel AISI 316 Ti.

**Note: The estimated price for the item may be revised to Rs. 8,00,000/-**

**Item No: 12**  
**Vacuum Assisted Tissue Processor**

**1. Existing Specification:**

Para: 3. Metal tissue basket having less base diameter compare to upper diameter to avoid sticking of basket and a capacity of 100 cassettes

**Read as:**

**Deleted**

**2. Existing Specification:**

Para: 7. Delayed start function up to 9 days should be possible. Auto-restart function should also be available.

**Read as:**

Para: 7 Delayed start function **up to 4 days** should be possible. Auto-restart function should also be available.

**3. Added Para:**

1. There should be provision for display of level indicators.
2. Demonstration of the **quoted** model is must.



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**Item No: 13**  
**Embedding Station with Hot & Cold Table & Paraffin Dispenser**

**1. Existing Specification:**

Para: 3. Paraffin reservoir temperature setting range from 45°C to 70 °C with +/- 1°C steps

**Read as:**

Para: 3 Paraffin reservoir temperature setting range from 55°C to 70 °C with +/- 1°C steps

**2. Existing Specification:**

Para: 4. Paraffin Wax level indication on display should be available.

**Read as:**

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**3. Existing Specification:**

Para: 6. Refrigerated spot integrated in cold plate to assist tissue orientation

**Read as:**

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**4. Existing Specification:**

Para: 7. Cassette bath to store at least up to 100 cassettes

**Read as:**

Para: 7. Cassette bath to store at least up to **80 cassettes.**

**5. Existing Specification:**

Para: 8. Cassette tray should have the capacity to contain at least 6-8 cassettes

**Read as:**

**Deleted.**

**6. Existing Specification:**

Para: 9. Mold warmer temperature programmable from 35°C to 70°C with +/- 1°C steps

**Read as:**



Para: 9 Mold warmer temperature programmable from **55°C to 70°C** with +/- 1°C steps

**7. Existing Specification:**

Para: 10. Work surface temperature programmable from 45°C to 70°C with +/- 1°C steps

**Read as:**

Para: 10. Work surface temperature programmable from 55°C to 70°C with +/- 1°C steps

**8. Existing Specification:**

Para: 17, Separately heated paraffin dispenser with temperature 45°C to 70°C depending up on the paraffin reservoir should be available.

**Read as:**

**Deleted**

**9. Added Para:**

EQUIPMENT SHOULD BE SUPPLIED WITH 100 STEEL MOULDS.  
Demonstration of the quoted model is must.

**Item No: 14**  
**Microtome-Semi Automated**

**1. Existing Specification:**

Para: The instrument should have Motorised feeding system with optional motorized and manual sectioning with rocking mode facility and ability for voltage selection, 2<sup>nd</sup> handwheel brake, separate control panel for display, blade holder, disposables blades , with following specifications

**Read as:**

The instrument should have Motorised feeding system with manual sectioning with rocking mode facility and ability for voltage selection, 2<sup>nd</sup> handwheel brake, separate control panel for display, blade holder, **disposables blades of both high and low profile type, universal cassette clamp** with following specifications:

**2. Existing Specification:**

Para 5 : Vertical specimen stroke length : 70 mm.



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**Read as:**

Para 5 : Vertical specimen stroke length : 60 - 70 mm

**3. Added Para:**

1. Demonstration of the quoted model is must.
2. Instrument should be supplied with minimum 150 high profile and 100 low profile disposable blades and 2 sets of brushes.

**Item No: 15  
Cryomicrotome/Cryostat**

**1. Existing Specification:**

Para: 21. System should be quoted with Disposable Blade system:

**Read as:**

System should be quoted with Disposable Blade system of both high and low profile. Instrument should be supplied with minimum 150 high profile and 100 low profile disposable blades and 2 sets of brushes.

**2. Added para:**

1. Demonstration of the quoted model is must.
2. Embedding medium of 500ml should be supplied.
3. Facility of UV lamp decontamination should be available.

**Item No: 16  
Pentahead Microscope**

**1. Existing Specification:**

Para: Illuminator : Built-in-Koehler illumination for transmitted light LED bulb (pre-centered) Light Intensity adjustment Centrally located so both hand can be used to increase And decrease light and with auto light intensity Adjustment with change of objective lens

**Read as:**

Para: Illuminator : Built-in-Koehler illumination for transmitted light LED bulb (pre-centered) and with auto light intensity Adjustment with change of objective lens

**2. Existing Specification:**

Para: Revolving nosepiece : Interchangeable/Removable Reversed Coded Quintuple Nosepiece for auto light adjustment



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**All other terms and conditions of the tender enquiry remain unaltered.**