

**HLL LIFECARE LIMITED**  
**(A GOVT. OF INDIA ENTERPRISE)**  
**Central Marketing Office at #26/4, Tambaram-Velachery Main Road,,**  
**Pallikaranai, Chennai 600 100.**  
**Registered Office: HLL Bhavan at Mahilamandiram Road,**  
**Poojappura Thiruvananthapuram - 695 012, Kerala**

**AMENDMENT - II**

**Ref No:** HLL/CMO/HCD/P&S/UK-ICU/2019-20/01, Dt. 30.03.2020

**Title:** Tender for Setting up of 10 bedded Intensive Care Unit Gandhi Shatabdi Eye Hospital, Dehradun at Uttarakhand on turnkey basis

The following amendment is issued

**SECTION VI**

**TECHNICAL SPECIFICATIONS**

**SYRINGE PUMP**

- Should be easy to use and nurse friendly with drug library and dose calculation.
- Should have automatic syringe size and model detection.
- Should have large format LCD/TFT Display.
- Should have a minimum flow rate range from 0.1-1200 ml/hr for 50ml syringe, 0.1-100 ml/hr for 20ml syringe and 0.1-60ml for 10ml syringe.
- Syringe range from (5 – 60) ml.
- Should have a flow rate accuracy of  $\pm 2\%$ .
- Should have a bolus rate up to 1000 ml/hr for 50ml syringe.
- Should have automatic and manual bolus.
- Should have atleast 3 levels of programmable occlusion pressure.
- Should have automatic bolus reduction system to avoid accidental bolus delivery after occlusion incident.
- Should have a rechargeable Lithium ion battery with backup time of minimum 4 hours.
- Pump must trigger following alarms with visual indication:-
  - i. Occlusion pressure alarm

- ii. KVO or 3 min pre-alarm
  - iii. Syringe empty and volume infused alarm.
  - iv. Internal malfunction and battery charge low alarm
  - v. Syringe disengaged and incorrectly placed alarm
  - vi. Alarm loudness control
  - vii. vii. No mains
- Should work with input 200 to 240V AC 50Hz supply
  - Should have safety CE/USFDA

All other terms and conditions in the original tender remain unchanged.

**DATE: 30-04.2020**

**VICE PRESIDENT (MARKETING)**