



**REGIONAL INSTITUTE OF MEDICAL SCIENCES: IMPHAL-79500**  
(An Autonomous Institute under Ministry of Health & Family Welfare Govt. of India)

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**CORRIGENDUM**

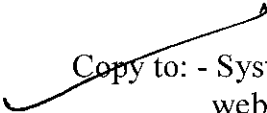
Imphal, the 22<sup>nd</sup> June 2015

No. Project/MDRU-RIMS-15: As per this office tender notice no. Project/MDRU-RIMS-15 dated 9<sup>th</sup> June 2015, the date of tender opening was erroneously mentioned as 26/07/2015 in lieu of 26/06/2015. Accordingly the technical specifications of Item no. 3 HPLC System with Accessories is also changed at Annexure – “A” and due date for submission of tender documents is also extended upto 30<sup>th</sup> June 2015 and tender opening of Technical Bid is on 2<sup>nd</sup> July 2015.

(Prof. S. Rita Devi)

Director,

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 Copy to: - System Administrator for uploading the above Corrigendum to the RIMS website.

## Annexure - "A"

### Item No. 3:- HPLC System With Accessories

Technical Specifications:

**Quaternary Gradient Pump (4 solvents) with a flow of 0.01 -10 ml/min in Analytical mode and pressure range of upto 6000 psi . Flow rate accuracy of  $\pm 1\%$  and Precision of  $<0.1\%$  RSD or better and built in 4 channel vacuum degasser with a flow of 10ml/min per channel. Pump should be parallel dual-plunger type for pulse-less flow. It should have facility to use in constant flow & constant pressure control mode.**

**Touch Pad Control module for pump- LED Touch screen for full control of pump features (method programming, solvent mixing rate, prime, flow calibration etc...)**

**Manual Injector with loops of 20ul, 100ul & syringe for injection with all attachments & or Auto sampler**

**Programmable UV-Vis detector: with D2 lamp for UV range and tungsten lamp for VISIBLE range and wavelength range of: 190-900 nm or higher with analytical flow cell ..Cell volume should not be more than 10uL with 10mm path length.. Bandwidth : 5nm.**

**Column Oven & Compartment: Temperature range should be 4°C - 90°C, Temperature stability should be  $\pm 0.05^\circ\text{C}$  or better. Should hold a minimum of two column of size 30cm length. Communication - LAN.**

**Column: C18, C8 of 5u, 4.6x250mm- two each along with guard columns**

**Sample preparation accessories: Nylon syringe filters & PVDF syringe filters of 13mm of 0.22 & 0.45u- 100 no each.**

**Software: Necessary LC software along with latest version computer/laser printer with original operating software should be quoted. All automated LC calculations facility should be available. Export/import of data, audit trail, column performance, method & calibration history, Electronic signature, Network solution (**chromatography files should be accessed from network computer using HPLC software**).**

2KVA online UPS with minimum 30 minutes back-up  
Warranty - should be 3 years, Training at site - Free,  
System should be upgradable with additional accessories without changing any existing accessories.



**Optional**

**Water purifier HPLC Grade:-**

- The Highest Water Quality
  - Easy to upgrade by adding R.O Post pack to produce Type II water
  - Auto Rinssing to keep constant water quality
  - Sensing cell to display accurate water quality
- Convenience for Users
  - One touch clip type filter. Easy to replace filters by user
  - Monitoring self test, filter replacement, auto – rinsing and service check
  - Separated modules for easy maintenance
- Safety Function
  - Pressure regulator to prevent the instrument from damages by constant pressure
  - Pressure blocking High and Low pressure limit blocking for safe operation



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