

**Corrigendum-II dated 16.02.2015**

**Ref:** 1. Tender Enquiry No.: HSCC/PUR/AIIA/Quality Control Lab & Instrumentation/III/2014 dated 23.12.2014  
2. Pre –bid meeting held on 5.1.2015

Based on the bidders queries raised during pre- bid meeting held on 5.1.2015, all bidders are requested to note the following in the aforesaid tender:

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

**ITEM No. 3 UV-VIS SPECTROPHOTOMETER**

Existing clause	Amended As
Spectral Bandwidth : Upto 1 nm or better	0.1-0.2nm to 4-5nm or better with 0.1nm increments.
Resolution: 0.1nm	0.1-0.2nm or better
<b>Photometric Range:</b> -4 to 4Abs; 0 to 10000% T	-4 to 4 Abs. or better 0 to 1000% T
All equipment individually costing more than Rs. 25,000/- to have DQ, IQ & OQ, Fat, MOC Certificate, G.A. Drawing of the machine, wiring diagram will be supplied with the machine.	As per tender

**ITEM NO 4: ATOMIC ABSORPTION SPECTROPHOTOMETER (AAS)**

Existing clause	Amended As
Point 14. 6 lamp positions and lamp selection using mirror.	6-8 lamp mount with built in-power supplies with computer controlled lamp selection.
1. Fully automated PC-controlled true double beam optics	Fully automated PC-controlled double beam optics
Herbal samples compatible flame atomization system, which can analyze samples in ppb levels of toxic elements and heavy metals and contaminated With a number of metal complexes.	Herbal samples compatible <b>graphite furnace</b> atomization system, which can analyze samples in ppb levels of toxic elements and heavy metals and contaminated with a number of metal complexes.
6. Detector – Photomultiplier /Solid state Deuterium background correction	Detector – Photomultiplier /Solid state Deuterium-2 nos with Zeeman background correction.
9. Typical performance >0.9 absorbance with precision of <0.5% RSD from ten	Deleted

5 sec. integrations for 5 mg/L Cu solution	
10. Furnace- Graphite Furnace with temp range, upto 3000°C with 10 steps or better.	Furnace- Graphite Furnace with temp range, up to 3000°C and with Zeeman Background correction and with 10 steps or better.
11. Graphite furnace with Autosampler for flame furnace & vapour generator with 50 samples position or better.	Graphite furnace with dedicated Autosampler for furnace with 50 samples position or better & separate auto-sampler for flame & vapour generator with 50 samples position or better.
12. PTFE spray chamber and adjustable impact bead aerosol.	PTFE spray chamber and impact bead aerosol.
15. Automatic wavelength slit selection, Settings: 0.2, 0.5 and 1.0 nm plus one reduced height slit of 0.5 nm.	Automatic wavelength slit selection. Settings: 0.2, 2.0nm or better ( min. 3 step auto switching)
Aqueous solution standard of Cu, Fe, Zn, Mg, Cd, Pb, Hg, As, Mo, Ag, Au, Se and Sn	Aqueous solution single element standard of Cu, Fe, Zn, Mg, Cd, Pb, Hg, As, Mo, Ag, Au, Se and Sn.
System should have facilities of repeat of result of same sample and date treatment.	System should have facilities of repeat of result of same sample and <b>data</b> management.
Independent UPS of Suitable rating with 30 minutes back – up (GMP / GLP compliance).	Computer with latest configuration and 15 kva online UPS with 30 minutes Backup or better.
5 KVA online UPS with 30 minute backup should be Quoted (optional).	5 KVA online UPS with 30 minute backup should be Quoted.
All equipment individually costing more than Rs. 25,000/- to have DQ, IQ & OQ, Fat, MOC Certificate, G.A. Drawing of the machine, wiring diagram will be supplied with the machine.	As per tender

**ITEM NO 13: GAS CHROMATOGRAPHY-TANDEM MASS SPECTROMETER WITH TRIPLE QUADRUPOLE (GCMS/MS)**

Existing clause	Amended As
4. Maximum Ion Source Temperature 350 °C or better	4. Maximum Ion Source Temperature 300 °C or better
10. Instrument Detection Limit 12 fg or less	<b>As per tender</b>
22. Electronic pressure / flow controls	22. Electronic pressure / flow controls : Pressure setting range of 0 to 140 psi.
25. Computer / printer/ UPS	Computer with latest configuration and 15 kva online UPS with 30 minutes Backup or better.

Sr. no.	IFB No.	Revised Schedule			Items
		Last dates and time of sale of tender enquiry documents.	Last date and time for submission of bid.	Time and date of opening of Techno – Commercial bids.	
2.	HSCC/PUR/AIIA/ Quality Control LAB. & Instrumentation /III/2014 dt. 23.12.14	26.02.2015, 10:00 hrs to 17:30 hrs IST	27.02.2015, 14:30 hrs IST	27.02.2015,15:00 hrs IST	All tender items

All other terms and conditions of the tender enquiry document shall remain unchanged.

Prospective bidders are advised to regularly visit HSCC website/ CPP as corrigendum /amendments etc. if any, will be notified on this portal only, no separate advertisement will published in the news papers.

s/d  
Director (AIIA)