

## COUNCIL FOR LEATHER EXPORTS

### Pre Bid Queries and Clarifications

<b>Name of Work</b>	Supply, Installation & Commissioning of Machinery and Equipments at Testing Laboratory and Design Studio, Agra, Uttar Pradesh
<b>Tender Notice No</b>	CLE-HO/EPB-UP/TL&DS/EQUIPMENT/dated 24.02.2017
<b>Implementing Agency</b>	Council for Leather Exports (CLE), Chennai
<b>Project Management Consultant</b>	Central Leather Research Institute (CSIR- CLRI), Chennai

### Waters India Pvt. Ltd

S.No	Queries	Clarifications
1.	Is a single tender document sufficient for quoting of multiple products? Or should I procure individual Tender document for each of the items called for?	Single tender document is sufficient for quoting of multiple products.
2.	Is it ok to keep single EMD DD for a total value for multiple equipments, or should we keep Individual DD for each of the equipment we are participating?	It is ok to keep single DD for a total value of EMD for all equipment quoted. However, financial bid for each equipment shall be quoted separately in a cover with mention of name of equipment and serial No. All the individual covers of financial bids are to be placed in a financial bid cover.
3.	Is Item number 78 and item number 104 for the same requirement? Because we observe that the allotted budget as seen in ITB document for item 78 (UPLC with DAD & Tandem Mass Spectrometer) is the same as item 104 (UPLC with DAD).	No, the item no 78 is UPLC with Diode Array Detector, Tandem and with mass spectroscopy. The revised estimated cost is 1.80 crores.

S.No	Queries	Clarifications
4.	<p>We have the following technical queries for the item number 78 "Ultra performance Liquid Chromatography with DAD and Tandem Mass Spectrometer, in page 97 to 101.</p> <p>(i) Sensitivity - Our MS system "TQD" can go up to 3000:1 in ESI+ mode, where as the tender specifications asked for is 5000:1 or above. Can it be modified to &gt;3000:1?</p> <p>(ii) Flow Rate: The operating flow rate for our UPLC is between 0.001 to 2ml/min only, where as that asked in tender is 0.001 to 5ml/min. Any LCMS system and UPLC column with sub 2 micron particle sized as asked in the tender can be operated only till 2ml/min, hence the need for 5ml/min is voided.</p> <p>(iii) The front end Ultra high pressure quaternary gradient pump asked in the tender can only be built in low pressure mixing design. A high pressure mixing format is not possible with quaternary pump design with anyone. Hence we kindly request you to modify the statement of high pressure mixing to low pressure mixing.</p> <p>(iv) The PDA detector range asked is 190nm to 950nm where as the possible range for UPLC detector is 190nm to 800nm only. This is because unlike a spectrophotometer, a UPLC PDA detector operates only in the UV and Visible ranges and any range above 750nm is crossing the visible range measurements. Hence We request you to modify the same.</p>	<p>Based on the request from majority of the vendors for clarity on sensitivity, it is modified viz.</p> <p><b>MRM sensitivity S/N ESI positive</b> : to measure 1 pg of Reserpine injected on column, the S/N ratio should be greater than 150000 : 1</p> <p>As the requirement for ESI +ve mode of application is higher sensitivity would be highly preferred.</p> <p><b>MRM sensitivity S/N ESI negative</b> : to measure 1 pg of Chloramphenicol injected on column, the S/N ratio should be greater than 100,000:1</p> <p>MRM transition cross talk should be &lt;0.001%</p> <p><b>Flow Rate:</b> The operating flow rate for UPLC can be considered between 0.001 to 2ml/min or better.</p> <p>Yes. The low pressure mixing quaternary gradient pump can be considered for UPLC.</p> <p>The PDA detector range is modified as 190nm to 800nm instead of 190nm to 950nm.</p>

S.No	Queries	Clarifications
5.	<p>We have the following technical queries for the item number 104 "UPLC - DAD" in page 120 to 121.</p> <p>(i) The UPLC quaternary gradient pump asked in the tender can only be built in low pressure mixing design. A high pressure mixing format is not possible with quaternary pump design with anyone. Hence we kindly request you to modify the statement of high pressure mixing to low pressure mixing.</p> <p>(ii) A UPLC H-Class quaternary pump offered by waters can operate with max back pressure of only 15,000psi (1034 bar) which is the UPLC operating range. The tender specifications is 1200 bar which is non compliant by Waters. Requesting you to kindly refer the specification clarifications of UPLC PDA with Tandem Quad specifications.</p> <p>(iii) The PDA detector range asked is 190nm to 950nm where as the possible range for UPLC detector is 190nm to 800nm only. This is because unlike a spectrophotometer, a UPLC PDA detector operates only in the UV and Visible ranges and any range above 750nm is crossing the visible range measurements. Hence We request you to modify the same.</p>	<p>The error is noticed and further clarified as follows The low pressure mixing quaternary gradient pump can be considered for UPLC/UPHLC. Also, for MS application, the initial chromatography method development using UPLC/UPHLC would be translated for confirmatory/quantification analyses.</p> <p>Maximum operating pressure of 14500 psi or above</p> <p>The PDA detector range is modified as 190nm to 800nm instead of 190nm to 950nm</p>
6.	<p>Is there a possibility to have the due date extended from 15th March 2017?</p> <p>This is because we are yet to receive the clarifications for our earlier queries sent on 8th March 2017. It is only after the clarifications, we may be able to take EMD and participate for the same. Since the time lines for these things to happen are very narrow, we humbly request for an extension for the same.</p>	<p>Dates of Sale and Submission of bids have been extended up to 5.00 p.m on 22<sup>nd</sup> March 2017 and before 3.00 p.m on 24<sup>th</sup> March 2017 respectively.</p>

S.No	Queries	Clarifications
7.	I humbly request you to clarify if the allotted budget for Item 78 is only Rs.6,000,000/= as seen in the ITB. This is because; a tandem quadrupole along with UPLC with DAD with the said specifications would cost more than 1.2 crores.	No, the item no 78 is UPLC with Diode Array Detector, Tandem and with mass spectroscopy. The revised estimated cost is 1.80 crores.
8.	Kindly clarify if the Warranty of 3 years for Item 78 and Item 104 is to be included in the main offer or should be quoted separately? UPLC and LCMSMS systems comes with standard 1 year warranty, and depending on the institute's request, the cost of the extended warranty is included in the main offer. This is a query, because, there are two different instructions given for the warranty terms in the Tender document.	The quoted amount towards equipment and normal 1 year warranty has to be given in the Financial Bid (refer page no- 171). Extended warranty for 2 <sup>nd</sup> and 3 <sup>rd</sup> year are to be given separately as mentioned in Financial Bid (refer page no-171) as optional but it has to be quoted. Extended warranty must be quoted.

### Toshvin Analytical Pvt. Ltd.

S.No	Queries	Clarifications
9	<b>S. No. 77 for Gas Chromatograph with Mass Spectrograph with EI and Head Space.</b>	
	Please specify & add TMP with 250 litre /sec or better -- instead of just simply mentioned TMP. Because TMP comes with different format of 55litre / sec, 65litre / sec etc., Then every vendor will offer their highest and best Top end model	TMP capacity with 250 litre/sec has to be taken into consideration.
	Please specify Resolution as Unit resolution (FWHM) minimum with 0.5 u - again to get best model	At least Unit mass resolution or better
	Please put RSD % with different solvents with repetitive injections in addition to pressure setting with a limitation of 99.5 and make it 140 psi to accommodate u-bore (0.1mm) , narrow bore (0.25mm, regular (0.32mm) and wide bore (0.53mm) capillary column rather than denoting it in um which is basically thickness of the packing material	The pressure should be able to complement with capillary columns ranging from 0.2mm id to 0.53mm id with pressure setting range of 100 psi or better.

S.No	Queries	Clarifications
	universally used in Scientific world.	
	In PTV - it should be added as minimum 3 ramps with 250° C /min ramp rate, otherwise with 6 ramps and 800 ° C/ min , only single vendor can offer “ Multimode” . Because their PTV also does not have this provision.	There should be at least 3 ramps and with the heating rate of 700° C/min or better for PTV. The heating range should be up to 450° C and heating rate should be at least 120° C/min or better for GC column oven.
	In Headspace please add minimum 10-12 vials Pre heating incubation with > than 60 vials carousel tray. Otherwise most of the vendors will offer low end 16 - 20 vials carousals and only with “1 vial” pre-incubation or pre-heating with lot of delay to prepare the HS vial for second injection.	Head space capacity with 111 vials and it should be with removable racks for prioritizing sample positions.
	In case of IDL, please specify 10fg at m/z 272 with EI SIM injecting 8 repetitive injections of 100fg Octafluoronaphthalene (OFN) with 99% confidence level is must in addition to the sensitivity of minimum EI scan with 1 pg OFN in EI scan S/N ratio 1500:1 or better with 30 meter column and to be demonstrated at installation.	In EI mode, 1 µL of 1 pg/µL Octafluoronaphthalene (OFN) should be the following minimum signal- to-noise ratio of 1500: 1 or above for m/z 272.
	Tender specifications specify that necessary spares and consumables are to be provided for FID. Tender committee to clarify FID to be offered or not.	No FID or ECD is required
10	<b>S. No. 101 for Gas Chromatograph with Mass Spectrograph with EI only (without CI and Head Space).</b>	
	Please specify & add TMP with 250 litre /sec or better -- instead of just simply mentioned TMP. Because TMP comes with different format of 55Litre / sec, 65litre / sec etc., Then every vendor will offer their highest and best Top end model.	TMP capacity with 250 litre/sec has to be taken into consideration.
	Please specify Resolution as Unit resolution (FWHM) minimum with 0.5 u - again to get best model.	At least Unit mass resolution or better.

S.No	Queries	Clarifications
	<p>Please put RSD % with different solvents with repetitive injections in addition to pressure setting with a limitation of 99.5 and make it 140 psi to accommodate u-bore (0.1mm) , narrow bore (0.25mm, regular (0.32mm) and wide bore (0.53mm) capillary column rather than denoting it in um which is basically thickness of the packing material universally used in Scientific world.</p>	<p>The pressure should be able to complement with capillary columns ranging from 0.2mm id to 0.53mm id with pressure setting range of 100 psi or better</p>
	<p>In PTV - it should be added as minimum 3 ramps with 250<sup>o</sup> C /min ramp rate, otherwise with 6 ramps and 800<sup>o</sup> C/ min, only single vendor can offer “Multimode”. Because their PTV also does not have this provision.</p>	<p>There should be atleast 3 ramps and with the heating rate of 700<sup>o</sup> C/min or better for PTV. The heating range should be up to 450<sup>o</sup> C and heating rate should be at least 120<sup>o</sup> C/min or better for GC column oven.</p>
	<p>In case of IDL, please specify 10fg at m/z 272 with EI SIM injecting 8 repetitive injections of 100fg Octafluoronaphthalene (OFN) with 99% confidence level is must in addition to the sensitivity of minimum EI scan with 1 pg OFN in EI scan S/N ratio 1500:1 or better with 30 meter column and to be demonstrated at installation.</p>	<p>In EI mode, 1 µL of 1 pg/µL Octafluoronaphthalene (OFN) should have a minimum signal- to-noise ratio of 1500: 1 or above for m/z 272.</p>
11	<p><b>S. No. 102 for Gas Chromatograph with Mass Spectrograph and Chemical Ionization.</b></p>	
	<p>Please specify &amp; add TMP with 250 litre /sec or better -- instead of just simply mentioned TMP. Because TMP comes with different format of 55Litre / sec, 65litre / sec etc., Then every vendor will offer their highest and best Top end model</p>	<p>TMP capacity with 250 litre/sec has to be taken in consideration</p>
	<p>Please specify Resolution as Unit resolution (FWHM) minimum with 0.5 u - again to get best model</p>	<p>At least Unit mass resolution or better</p>
	<p>Please put RSD % with different solvents with repetitive injections in addition to pressure setting with a limitation of 99.5 and make it 140 psi to accommodate u-bore (0.1mm) , narrow bore (0.25mm, regular (0.32mm) and wide bore (0.53mm) capillary column rather than denoting it in um which is basically thickness of the packing material</p>	<p>The pressure should be able to complement with capillary columns ranging from 0.2mm id to 0.53mm id with pressure setting range of 100 psi or better</p>

S.No	Queries	Clarifications
	universally used in Scientific world.	
	In PTV - it should be added as minimum 3 ramps with 250° C /min ramp rate, otherwise with 6 ramps and 800° C/ min only single vendor can offer "Multimode". Because their PTV also does not have this provision.	There should be atleast 3 ramps and with the heating rate of 700° C/min or better for PTV. The heating range should be up to 450° C and heating rate should be at least 120° C/min or better for GC column oven.
	In case of IDL, please specify 10fg at m/z 272 with EI SIM injecting 8 repetitive injections of 100fg Octafluoronaphthalene (OFN) with 99% confidence level is must in addition to the sensitivity of minimum EI scan with 1 pg OFN in EI scan S/N ratio 1500:1 or better with 30 meter column and to be demonstrated at installation.	In EI mode, 1 µL of 1 pg/µL Octafluoronaphthalene (OFN) should be the following minimum signal- to-noise ratio of 1500: 1 or above for m/z 272.
	Similarly, if you are genuinely interested for CI mode (kindly do not specify it as EI/CI as optional or upgradeable - because it becomes ambiguous statement and becomes contradictory of your actual requirement) and kindly add the values to benchmark the sensitivity as below. CI (PCI) Scan S/N with 100 pg Benzophenone (BZP) as 250 or better and NCI Scan S/N with 100fg OFN with 250 :1 or better to get best model with highest sensitivity in both EI and CI mode from all vendors.	In PCI mode, 1 µL of 100 pg/µL Benzophenone should have a minimum signal-to-noise of 300 : 1 for Helium gas  In NCI mode, 2 µL of 100 fg/µL of OFN should have a minimum signal-to-noise of 2,000:1 for m/z 272
	Tender specify that the software should control MS and ECD. Tender committee to clarify whether ECD (Electron Capture Detector) to be offered or not.	No FID or ECD is required
12	Part-I. Volume - 1. Clause No. 15.1- To amend as CIP price.	It cannot be amended. Please follow the instructions as per the tender document and financial bid.
13	Part-I. Volume - 1. Clause No. 17.1- To amend as 100% Letter of Credit at sight.	Payment terms cannot be changed. LC 100% at sight can be considered.

S.No	Queries	Clarifications
14	Part-I. Volume - 1. Clause No. 8 - To amend as, the inspection and tests may be conducted at the end user site	Inspection and testing will be done at Testing Lab, Agra
15	Kindly extend the tender submission date to another a week time	Dates of Sale and Submission of bids have been extended up to 5.00 p.m on 22 <sup>nd</sup> March 2017 and before 3.00 p.m on 24 <sup>th</sup> March 2017 respectively.

### Spinco Biotech Pvt.Ltd.

S.No	Queries	Clarifications
16	The polarity switching should be less than 20 m sec. The dwell time should be 1 to 2 m sec. (As explained, Shimadzu's dwell time is 0.8 m sec. the ions travel time in collision cell is only 0.8 m sec, This is achieved because of UF Sweeper technology in collision cell.	The polarity switching time should be 30 m sec or lesser and the dwell time should be 1 m s
17	<b>Item No.78 - Ultra performance Liquid Chromatography with Diode Array Detector, Tandem Mass Spectrometer</b> Sensitivity: Minimum of 75,000:1 or better for both ESI positive as well as ESI Negative. The specifications of our shimadzu 8045 model are 100,000:1. To make it more general, we are requesting to change as 75,000:1.	Based on the request from majority of the vendors for clarity on sensitivity, it is modified as viz. <b>MRM sensitivity S/N ESI positive</b> : to measure 1 pg of Reserpine injected on column, the S/N ratio should be greater than 150000 : 1 <b>MRM sensitivity S/N ESI negative</b> : to measure 1 pg of Chloramphenicol injected on column, the S/N ratio should be greater than 100,000:1
	Ionization Source: Heated ESI Sources as standard in order to achieve the best detection limits.	For effective declustering of ions and for better sensitivity ESI/APCI Desolvation max., temperature should be at least 400 °C or above
	Possible to upgrade the MS System to next level higher sensitivity in future.	With the advent of more and more new technologies are emerging, it is difficult to decide on up-gradation option with the same model. Also, substrate, sample types and



S.No	Queries	Clarifications
		target analytes concentration is varying in nature it is difficult to decide on the subject now.
	Ultra Fast polarity switching less than 20msec	The polarity switching time should be 30 m sec or lesser
	UPLC PDA detector Wavelength range 190 to 800 nm or better instead of 190 - 950 nm.	The PDA detector range is modified as 190nm to 800nm instead of 190nm to 950nm
18	<b>104 - UPLC-DAD</b> Column oven instead of column heater	Both Column oven or LC column heater are the same.
	Column oven temperature 15 deg c to 80 deg C or better instead of 10 to 90 deg C.	The column oven temperature should have a maximum of 80°C and above.
	PDA Detector - Wavelength range 190 to 800 nm or better instead of 190 - 950 nm.	The PDA detector range is modified as 190nm to 800nm instead of 190nm to 950nm

### Agilent Technologies India Pvt Ltd.

Sl.No	Parameter	CLE Tender Specification	Amendment Request	Clarifications
19	Mass range :	10 - 2000 or better	5 - 3000 or better	<b>Mass range:</b> on lower side it should be atleast 5 Da or less and on higher side it should be atleast 2000 Da or more.
20	Scan speed	10000 Da/s or higher	12000 Da/s or higher	<b>Scan Speed :</b> 15000 Da / s or higher
21	Sensitivity ESI + ve Mode	Signal to Noise ratio (S/N) should be above 5000:1 (ESI +ve mode) when 1pg reserpine is injected on column	Signal to Noise ratio (S/N) should be above 10000:1 (ESI +ve mode) when 1pg reserpine is injected on column	<b>MRM sensitivity S/N ESI positive :</b> to measure 1 pg of Reserpine injected on column, the S/N ratio should be greater than 150000 : 1

Sl.No	Parameter	CLE Tender Specification	Amendment Request	Clarifications
22	Sensitivity ESI -ve Mode	Signal to Noise ratio (S/N) should be above 3000:1 (ESI -ve mode) when 1pg Chloremphenicol is injected on column	Signal to Noise ratio (S/N) should be above 3000:1 (ESI -ve mode) when 1pg Chloremphenicol is injected on column	<b>MRM sensitivity S/N ESI negative</b> : to measure 1 pg of Chloramphenicol injected on column, the S/N ratio should be greater than 1,00,000:1
23	Clause 8	Inspection and Tests before delivery	Amend the condition of Clause 8 (8.1 to 8.9), the inspection and tests should be at AFMAC - Agra facility	Inspection and testing will be done at Testing Lab, Agra
24	Clause 15 (Page 11)	Delivered Duty Paid(DDP)	Consider to quote in INR DDU (Duty will be paid by CLE during the Custom Clearance)	CLE will pay duty for Custom clearance in subject to the Actual bills
25	Sl. No 77 - Headspace specification	Headspace should be based on differential pressure mode mechanism for sampling	Headspace should be based on differential pressure mode mechanism for sampling or Equivalent technology like Loop and valve system	Yes, the Headspace shall be based on differential pressure mode mechanism for sampling or its Equivalent.
26	Sl. No 77, 101, 102	Column should have a minimum 4 ramps and be capable of accommodating two capillary columns.	Column oven should have possible to program 15 temp ramps (16 plateaus) or better	Column oven should have possibility to program 20 temp ramps (21 plateaus) or better
27	Sl. No 102	The software should seamlessly integrate/control all equipments/modules like GC-MS/ECD, Autosampler	No additional GC detector required	The spec is related to software in case of future addition of any other detector it should accommodate suitably

Sl.No	Parameter	CLE Tender Specification	Amendment Request	Clarifications
28	Sl. No 77, 101, 102	No Performance mentioned	1000:1 RMS or better for 1 pg/ $\mu$ L OFN, Standard scanning from 50 to 300 u at nominal 272.0 u ion Helium carrier gas, injection using a 30 m x 0.25 mm x 0.25 $\mu$ m film column	In EI mode, 1 $\mu$ L of 1 pg/ $\mu$ L Octafluoronaphthalene (OFN) should be the following minimum signal- to-noise ratio of 1500: 1 or above for m/z 272.
29	Sl. No, 102	No Performance mentioned	PCI : 1000:1 or better RMS 1- $\mu$ L injection of 100 pg/ $\mu$ L benzophenone (BZP) standard, 80 to 230 u scan at nominal 183 u ion, using methane reagent gas using a 30 m x 0.25 mm x 0.25 $\mu$ m film column  NCI: 1500:1 or better RMS, 2- $\mu$ L injection of 100 fg/ $\mu$ L OFN standard scanning from 50 to 300 u at nominal 272 u ion, using methane reagent gas using a 30 m x 0.25 mm x 0.25 $\mu$ m film column	In PCI mode, 1 $\mu$ L of 100 pg/ $\mu$ L Benzophenone should have a minimum signal-to-noise of 300 : 1 for Helium gas  In NCI mode, 2 $\mu$ L of 100 fg/ $\mu$ L of OFN will should have minimum signal-to-noise 2000:1 for m/z 272
30	Sl.No.78	HPLC and UHPLC specifications are mentioned (Refer Point No.4-8 in Page No.98 is HPLC specification and Pint No.10 onwards UHPLC)	Need to specify either HPLC or UPHLC as front end of Mass Spectrometer	No HPLC. It should be considered as UPLC/UPHLC.
31	Sl.No.78	Nitrogen Generator(Page No.101)	request to amend as a inbuilt compressor	Provide nitrogen generator with inbuilt compressor

Sl.No	Parameter	CLE Tender Specification	Amendment Request	Clarifications
32	Sl.No.88	Necessary spares/consumables required for at least 7 Years operation should be provided (Page No.107)	Request to remove the point	Necessary spares/consumables required for at least 7 Years operation should be not be provided but availability should be ensured for 7 years
33	Sl.No.88	Clean room requirement need to be added (Page No.107)	Request to remove the point	ICP-MS analysis involves with the sample preparation in acidic medium. Hence, the acidic fumes and vapours emanated during ICP-MS analysis should not pose any occupational hazard to the personnel/analysts needless to say the acidic fumes/vapours should not corrode the vital parts of the instrument as well. Hence the suitable evacuation with enough exhaust provisions, blower, venting etc should be ensured
34	Sl.No.88	The instruments should have dual gas configuration for analyses requiring availability of KED and /or scanning quadrupole at all time (Page No.106)	Need to amend the instrument to be available of KED and or scanning quadrupole at all time	Please follow the tender specifications. The instrument is required with dual gas configuration. This is to overcome interference or interference correction of elements encountered during analysis and detection. Any other equivalent option may also be provided.

**THE I.L.E.Co,Chennai**

S.No	Queries	Clarifications
35	With reference to the above we like to submit our request to quote for "SPEX CITRI PREP" Brand Certified Reference Material against S.No: 87. Kindly permit us to submit our quote against this requirement.	If the reference material should have proper certificates and the principal should have guide 34/NIST traceable requirements.

36	We also request you to consider the possibility of extending the tender due date for a week's time to get support documents from suppliers from Northern region.	Dates of Sale and Submission of bids have been extended up to 5.00 p.m on 22 <sup>nd</sup> March 2017 and before 3.00 p.m on 24 <sup>th</sup> March 2017 respectively.
----	--	--

### Romans CAD

S.No	Queries	Clarifications
37	On page 16 of 22.7.q says that 'volume 1 & 2 of tender document including all specification should be submitted...' Is it means that we have to submit all the pages, irrespective items whether we supply or nor...or we should submit only pages related to our supply items.	The tender document has to be stamped and signed in all pages and submitted along with technical bid.

### Labchrom Scientific LLP, Mumbai

S.No	Queries	Clarifications
38	<b>Payment Terms :</b> We would like to inform you that we had earlier participated in similar tender from Council for Leather Exports (CLE), Kanpur in the year 2013. In that tender, we have got couple of Instruments orders for our instruments which we had quoted. In that tender, payment terms for imported instruments were 100% Letter of Credit at sight against their (CLE, Kanpur order) and against the Proforma Invoice of our principal company which was acceptable to us and our principal company. Whereas in this tender payment terms for foreign supplier is 100% Letter of Credit against shipping documents is not acceptable to our principal company. Therefore we request you to kindly make payment terms as 100% Letter of Credit at sight against Proforma Invoice after placing an order with principal company.	Payment terms cannot be changed. LC 100% at sight can be considered

39	Due to this short notice, we would not be able to participate in this tender before the due date of 15 <sup>th</sup> March, 2017. So we request you to kindly extend the due date of this tender atleast for one month (up to 15 <sup>th</sup> April, 2017) so that we can go through your tender documents and Terms & Conditions participate in the tender well in advance.	Dates of Sale and Submission of bids have been extended up to 5.00 p.m on 22 <sup>nd</sup> March 2017 and before 3.00 p.m on 24 <sup>th</sup> March 2017 respectively.
----	---	--

### Harman Sales Private Limited, Mumbai

S.No	Queries	Clarifications
40	From the specification attached for item no. 110 under hardware viz. 3D foot/last scanner, it is not possible to perform both the functions using a single device. The specifications provided focuses more towards a last scanner which generally is a table top compact device. The foot scanner on the other hand requires a more comprehensive setup focused on the foot, posture while scanning, positioning and various other parameters. So we would like to fulfill this requirement by submitting specifications for two separate devices which has been designed specifically keeping in mind the end user objective of accurately scanning foot and last separately.	Single equipment is preferred for foot scanning and last scanning; supplier(s) are at liberty to quote combined or individual equipment Hardware supplied should be compatible with the shoe CAD software or vice versa or all (hardware and software) may be from single vendor.

#### Other Queries and clarifications

1. The muffle furnace should accommodate 10 no's of 50ml crucibles.
2. For item no 76, Solvent Extraction unit both glass and cellulose thimbles can be used.
3. For humidity chamber RH range should be 10% to 100% and temperature range should be 5°C to 99°C.
4. The item no 62 (hot air oven) and 100 (Incubator) will have the same spec and the only difference is the Hot air oven will contain the air circulating fan.
5. Hardware components of Design Studio shall match/suit with software supplied at Design Studio.
6. For GC-MS, the source should be highly inert, non-corrosive ion source extractor with high efficiency and longevity should be quoted.
7. The front end of the ICP-MS should be with HPLC with quaternary gradient or better and an optional laser ablation may be provided.
8. In financial bid for imported machinery, CIF is mentioned in tender. The amount quoted should be CIP

Revised estimate cost and EMD amount for the following equipment are given.

Serial No of Equipment in the Tender Document	Name of the Machinery / Equipment	Quantity	Estimated Amount in Rs	EMD Amount in Rs
76	Automatic Soxhlet Solvent Extraction	1	2,00,000	2,000
77	Gas Chromatograph with Mass Spectrograph with EI ,and Head Space	1	70,00,000	70,000
78	Ultra performance Liquid Chromatography with Diode Array Detector, Tandem Mass Spectrometer	1	1,80,00,000	1,80,000
79	UPS 2X50 KvA	1 lot	20,00,000	20,000
101	Gas Chromatograph with Mass Spectrograph with EI only (without CI and Head space)	1	60,00,000	60,000
102	Gas Chromatograph with Mass Spectrograph and chemical ionization and EI	1	60,00,000	60,000

**Note:**

- The clarifications issued are part and parcel of the Tender Document and should be read in conjunction with the existing provision.
- Pre-bid clarifications based on the pre-bid meetings on 3<sup>rd</sup> and 17<sup>th</sup> March 2017 duly signed by authorized signatory of tenderer and stamped with company seal in each page shall be submitted by bidders along with Technical bid (Cover-1).
- Necessary spares/consumables required for at least 7 Years operation should be not be provided but availability should be ensured for 7 years by an undertaking from the manufactures/suppliers.
- The liquidity damage will applied for all equipment after 4 months except ICP-MS where it will be applied after 7 months
- The quoted amount towards equipment and normal 1 year warranty has to be given in the Financial Bid (refer page no-171).Extended warranty for 2<sup>nd</sup> and 3<sup>rd</sup> year are to be given separately as mentioned in Financial Bid (refer page no- 171) as optional but it has to be quoted. Two years extended warranty must be quoted separately.