

e-Tender Nos. 02(AS)/2018 to 05(AS)/2018 dated 05.02.2018 for supply, installation and commissioning of Polarizing Microscope with Digital Camera & Imaging for Microscopy, Stereo Microscope, Scanning Electron Microscope (SEM) and Automated Reflectance Microscopy (ARM) respectively for laboratories of Customs & Central Excise

Minutes and clarifications of pre-bid conference held on 26.02.2018

F. No. 441/8/DL(AS)/2018/Group-I

Dated: 09.03.2018

Subject: e-tender Notices for supply, installation and commissioning of (i) Polarizing Microscope with Digital Camera & Imaging for Microscopy [e-tender no.02(AS)/2018], (ii) Stereo Microscope [e-tender no. 03(AS)/2018], (iii) Scanning Electron Microscope (SEM) [e-tender no. 04(AS)/2018] and (iv) Automated Reflectance Microscopy (ARM) [e-tender no. 05(AS)/2018] for laboratories of Customs & Central Excise - reg.

Venue: Conference Hall, Central Revenues Control Laboratory, Pusa, New Delhi

Date and time: 26.02.2018 at 14.30 hours.

A Pre-bid Conference was held on 26.02.2018 at 14.30 hrs. in the Conference Hall of Central Revenues Control Laboratory, Pusa, New Delhi to provide clarifications on the queries raised by the prospective tenderers pertaining to the e-tenders tabulated above. The Pre-bid Conference was chaired by Sh. Sandeep Prakash, Commissioner, Directorate of Logistics and the following officials attended the meeting:

Sl. No.	Name (S/Sh./Dr./Ms./Smt.)	Organization
1.	D. B. Arora	Additional Commissioner, Directorate of Logistics
2.	T. A. Sreenivasa Rao	Joint Director, CRCL, New Delhi
3.	K. C. Agarwal	Joint Director, CRCL, New Delhi
4.	Gyanendra Saxena	Chemical Examiner Gr. II, CRCL, New Delhi
5.	D. S. Rana	Ex-Outstanding Scientist BARC & Consultant, Directorate of Logistics, New Delhi
6.	S. L. Meena	Deputy Commissioner, Directorate of Logistics
7.	J. K. Sharma	Superintendent, Directorate of Logistics

2. Representatives of the following companies attended the Pre Bid Conference:-

Sl. No.	Name (S/Sh/Dr/Ms)	Represented by
1.	Pushpendra Rathore	M/s Leica Microsystems, New Delhi
2.	Gurpreet Singh	M/s Leica Microsystems, New Delhi
3.	Vibhor Srivastava	M/s Jeol India Pvt. Ltd., New Delhi
4.	Aby. C. P.	M/s Jeol India Pvt. Ltd., New Delhi
5.	Arjun Dalvi	M/s EDAX Inc., Delhi
6.	Anil Jaiswal	M/s EDAX Inc., Delhi
7.	Rependra Singh	M/s I. R. Technology Services Pvt. Ltd., Noida

3.1 Commissioner (Logistics) welcomed all the participants and recalled that as per clause 2.9.1 of Section II of Tender document, prospective tenderers seeking clarification on the tender document were required to submit their queries online by 20.02.2018 upto 1500 hours. Queries received were to be answered in the pre-bid conference. It was informed that no queries had been received through online mode till 20.02.2018.

3.2 Queries raised by the bidders, viz., M/s Leica Microsystems, M/s Jeol India and M/s I. R. Technology during the pre-bid conference of 26.02.2018, given in written format and the response of DoL thereon are tabulated and enclosed as **Annexure-A**. The respective Tender conditions stand modified to the extent mentioned therein, wherever applicable.

4. The participants were reminded that the closing date for online submission of bids is 22.03.2018 at 1300 hours as indicated in the tender documents. The opening would be on 23.03.2018 at 15.00 hours online at e-procure portal <http://eprocure.gov.in>.

5. Commissioner, Directorate of Logistics stated that it is the endeavor of this Directorate to have maximum participation in this tender and accordingly, exhorted all the present participants to submit their most competitive bids.

GNIT e-Tender No. 02(AS)/2018 to 05(AS)/2018 dated 05.02.2018
**Procurement of (03) units of Polarizing Microscope with Digital Camera & Imaging for Microscopy,
 Three (03) units of Stereo Microscope, One (01) unit of Scanning Electron Microscope (SEM),
 One (01) unit of Automated Reflectance Microscopy (ARM), for the Laboratories of Customs & Central Excise**

Clarifications to pre-bid queries in the meeting held on 26.02.2018

Sl. No	Tender Clause & Page No.	Tender requirement	Query of the Firm	Response of DoL
e-Tender No. 02(AS)/2018 dated 05.02.2018: Polarizing Microscope with Digital Camera & Imaging for Microscopy				
LEICA MICROSYSTEMS				
Technical Clarifications				
1.	Annexure-1 Sl. No. 3 & 4 [Page 68]	Sl. No-3: Polarizing objective: 20x/0.30 Sl. No-4: Polarizing objective: 20x/0.50	<ul style="list-style-type: none"> This may be repetition of item 20x/0.30. It may be 10x & 20x 	<ul style="list-style-type: none"> Sl. No. 3 may be read as "Polarizing objective: 10x/0.30."
2.	Annexure-1 Sl. No. 7 [Page 68]	<ul style="list-style-type: none"> Eye piece: 10x 	<ul style="list-style-type: none"> Kindly mention the field of view for asked mention Eye piece: 10x 	<ul style="list-style-type: none"> May be added "field of view: 23 mm or better".
3.	Annexure-1 Sl. No. 9 [Page 68]	<ul style="list-style-type: none"> Quadruple revolving nose piece including centering knob. 	<ul style="list-style-type: none"> Since Tender specification asking for five objective, it is advisable to go from Quadruple (4 position) to Quintuple (5 position) 	<ul style="list-style-type: none"> May be read as "Quintuple revolving nose piece including centering knob."

e-Tender No. 03(AS)/2018 dated 05.02.2018: Stereo Microscope

LEICA MICROSYSTEMS

Technical Clarifications

4.	Annexure-1 Sl. No. 3 & 4 [Page 68]	Sl. No.3: Total Magnification 0.3-300 X (Minimum) Sl. No.4: Magnification Range should be 0.60.6-15X (Minimum)	<ul style="list-style-type: none"> Point No 3 & 4 are not clearly mention. Kindly elaborate and what magnification is required. 	<ul style="list-style-type: none"> Sl. No. 3 & 4 may be combined and reads as "Magnification range should be 4x-100x (minimum)."
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I.R. TECHNOLOGOY SERVICES

Technical Clarifications

5.	Annexure-1 Sl. No. 1 [Page 68]	<ul style="list-style-type: none"> The Microscope must have Zoom ratio of 7.5 :1 or More 	<ul style="list-style-type: none"> Zoom ratio from 7.5 : 1 to 7:1 or more 	<ul style="list-style-type: none"> May be read as "The Microscope must have Zoom ratio of 7:1 or More."
6.	Annexure-1 Sl. No. 2 [Page 68]	<ul style="list-style-type: none"> The Microscope must have Zooming range from 0.6 to 5X (Minimum) 	<ul style="list-style-type: none"> Zooming range from 0.6 to 5x to 0.8 to 5x 	<ul style="list-style-type: none"> May be read as "The Microscope must have Zooming range from 0.8 to 5X (Minimum)."
7.	Annexure-1 Sl. No. 3 [Page 68]	<ul style="list-style-type: none"> Total Magnification 0.3-300 X (Minimum) 	<ul style="list-style-type: none"> Total magnification 0.3-300 X to 4x to 300x 	<ul style="list-style-type: none"> Sl. No. 3 & 4 may be combined and read as "Magnification range should be 4x-100x (minimum)."
8.	Annexure-1 Sl. No. 4 [Page 68]	<ul style="list-style-type: none"> Magnification Range should be 0.60.6-15X (Minimum) 	<ul style="list-style-type: none"> Magnification range not clear. Range already described in point 3. 	<ul style="list-style-type: none"> Sl. No. 3 & 4 may be combined and read as "Magnification range should be 4x-100x (minimum)."

9.	Annexure-1 Sl. No. 6 [Page 68]	• Eye piece size – should be between 20-25 mm	• Eye piece magnification not mentioned.	• May be read as “Eye piece size – should be between 20-25 mm, Eye piece magnification: 10x.”
10.			• Observation mode not defined like reflected or transmitted.	• May be included “Light illumination must be both in Reflected and Transmitted mode.”

e-Tender No. 04(AS)/2018 dated 05.02.2018: Scanning Electron Microscope (SEM)

JEOL INDIA

Technical Clarifications

11.	Annexure-1 Sl. No. 2 [Page 68]	• Accelerating Voltage: 0.1KV to 30KV or better.	• 0.3KV to 30KV (change requested).	• May be read as “Accelerating Voltage: 0.3KV to 30KV or better.”
12.	Annexure-1 Sl. No. 5 [Page 68]	Electron Source: •Thermionic emission type - (LAB 6 & W source)	• Thermionic emission type- (Lab 6 & Factory Pre- centered Tungsten Filament) (Remarks: In a factory pre centered filament, a user need not to mechanically align the filament for centering. hence it is benefit for user)	• May be read as “Thermionic emission type - (LAB 6 & W source-Factory pre- centered or any other centering arrangement which does not require in-situ centering)”.
13.	Annexure-1 Sl. No. 6 [Page 68]	Vacuum System: •Should have vacuum with turbo molecular pump backed by Rotary pump. System should have variable pressure mode/ low vacuum mode of 400 Pa or more.	• Should have vacuum with turbo molecular pump backed by Rotary pump. System should have variable pressure mode/low vacuum mode of 600 Pa or more. (Remarks: Request you to modify 600 Pa or better. More than 3 manufactures	• Tender requirement stays.

			can offer this range.)	
14.	Annexure-1 Sl. No. 8 [Page 68]	Stage Specification: • 5 axis motorized stage with movement facility for X = 100 mm or higher, Y = 100 mm or higher, Z = 50mm or higher, Tilt = 0 to 90° or more, Rotation = 360° (continuous).	• 5 axis motorized Eucentric Specimen stag with movement facility for X = 100 mm or higher, Y = 100 mm or higher, Z = 50mm or higher, Tilt = 0 to 90° or more, Rotation = 360° (continuous). (Remarks: In Eucentric stage, focus doesn't shift while tilting the specimen. It is equally important when we're doing EDS.)	• Tender requirement stays.
15.	Annexure-1 Sl. No. 9 [Page 68]	Detectors: • 5-segment Solid-state Back Scattered Electron Detector for using both in high vacuum and variable pressure.	• Back scattered Electron Detector for using both in high vacuum and variable pressure. (Remarks: 5 segment wording has to be remove because it is specific nomenclature of one brand.)	• May be read as "Back scattered Electron Detector for using both in high vacuum and variable pressure."
16.	Annexure-1 Sl. No. 10 [Page 68-69]	Anti-Vibration Air-table Image display & Processing: • Resolution: 2k x 3k pixels • Should provide a range of integration and averaging modes to reduce the noise. • Should enable saving of images to files of the following types: TIFF (8 or 16-bit, selectable by user) and/or BMP .	• Should enable saving of images to files of the following types: TIFF (8 or 16-bit, selectable by user) and/or	• May be read as " Should enable saving of images to files of the following types: TIFF and/or BMP

		<ul style="list-style-type: none"> • 24-inch LCD /LED display. • Image annotation feature to type a sample name in the image. • Image area selection – full frame, reduced raster, line X, line Y and spot modes, with independent setting of operational parameters such as line scan times, number of lines/frame etc. • Image from different detectors could be viewed simultaneously in a split-up view area of the monitor. 	<p>BMP</p> <ul style="list-style-type: none"> • 24-inch LCD /LED display. • Image annotation feature to type a sample name in the image. • Image area selection – full frame, reduced raster, line X, line Y and spot modes, with independent setting of operational parameters such as line scan times, number of lines/frame etc. • Image from different detectors could be viewed simultaneously in a split-up view area of the monitor. 	<ul style="list-style-type: none"> • May be read as “23-inch or more LCD /LED display.” • Features such as image annotation, selection of region of interest in image, setting of operational parameters, etc should be available.
17.	Annexure-1 Sl. No. 11 [Page 69]	<p>Chamber:</p> <ul style="list-style-type: none"> • Large chamber > 350 mm (Ø) x 250 mm (h) with at least 10 accessory port for enhancing the capability of the SEM like CRYO Transfer, Inclined WDS, etc., at a later stage. • Should be big enough to accommodate 200mm diameter or more sample size at analytical working distance. 	<ul style="list-style-type: none"> • Large chamber > 350 mm (Ø) x 250 mm (h) with at least 10 accessory port for enhancing the capability of the SEM like CRYO Transfer, Inclined WDS, etc., at a later stage. • Should be big enough to accommodate 200mm diameter or more sample size at any working distance. (Remarks: Chamber diameter varies from manufacturer to Manufacturer 	<ul style="list-style-type: none"> • May be read as “Chamber with at least 10 accessory port for enhancing the capability of the SEM like CRYO Transfer, Inclined WDS, etc., at a later stage. “ • May be read as “Should be big enough to accommodate 200mm diameter or larger sample size at any working distance. “

			important is how much max height and diameter of the sample can be accommodated in the specimen stage. • Sample diameter size should remain same at any working distance.)	
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Sl. No	Tender Clause & Page No.	Tender requirement	Query of the Firm	Response of DoL
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e-Tender Nos. 03(AS)/2018 dated 05.02.2018: Stereo Microscope; e-Tender No.04(AS)/2018 dated 05.02.2018: Scanning Electron
Microscope (SEM) and e-Tender No.05(AS)/2018 dated 05.02.2018: Automated Reflectance Microscopy (ARM)

Commercial Clarifications

18.	Clause 3.8, Section - III [Page 21]	"Inspection & Quality Control"	-	Clause 3.8.1 & 3.8.2 are to be read together. Thus, while cost of travel, lodging & boarding of Purchaser's representatives to carry out inspections & tests will be borne by the Purchaser, the cost incurred in conducting the requisite inspections & tests to confirm the conformity of the equipment/ instrument to the contract specifications and other quality control requirements will be borne by the Supplier.
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19.	Annexure - 1 (Technical Specification of Equipment/ Instrument)	"All essential spares and accessories to be quoted for operating the instrument for 5 years." - wherever included	-	"All essential spares and accessories should not be quoted separately", however, these are to be considered as part of warranty maintenance & CCAMC maintenance [Ref. clause 4.11 & 4.12, Section - IV]
20.	Clause 4.3.3 (ii) Section - IV, [Page 29]	" Shipment of the items (import of items, in case of foreign supply)"	-	The tender is for supply of equipment/ instrument on door delivery basis. Hence, Supplier has to import the same in his own name, carry out customs clearance including payment of Custom Duty (which is reimbursable), arrange for insurance, transportation, receipt at site, etc.
21.	Clause 2.37.1, Section II [Page 19]	"Integrity Pact"	-	Please sign a pre-bid, pre-contract Agreement called the Integrity Pact as per the format given in Form -11 of Section IX with the purchaser before submitting tenders at least two days prior to the last date for submission of tenders. For this purpose, please send a letter or fax well in advance seeking a convenient date and time. Refer to Clause 2.37.1, which is amply clear.

