

Semi-Conductor Laboratory
S.A.S. Nagar

Record of clarifications provided to the queries of the prospective bidders during the Pre-bid Conference held at SCL on February 07, 2018 in response to Public Tender Notice No. SCL/PT/107 (Tender No. SCL/PS2/2017E0089801) for Supply, Installation, Commissioning, Testing, Demonstration and Training of Particle Size Analyzer with Zeta Potential.

1. M/s Advance Scientific Equipment Pvt. Ltd., New Delhi

Sr. Ref	Clause Reference of Tender	Bidder's Query/ Clarification Sought	SCL Reply
1.6	Laser Source: With suitable laser power for forward side & backwards scattering for concentrated samples	Please specify the power of laser source, preferably 15mW	Requirement is mentioned in the specifications of the Tender. Laser power suitable to meet the tendered requirement shall be supplied by the bidder. As different vendors provide equipment with different laser powers, this cannot be specified.
	Payment terms: 100% payment through Sight Draft (90% within 30 days of the receipt of the materials and balance 10% payment shall be payable on successful installation and acceptance of the equipment at purchase site against Acceptance Certificate to be issued by the purchaser.	100% Payment through Letter of Credit (90% against shipping documents through bank and balance 10% after installation and acceptance of equipment against acceptance certificate from the purchaser)	The bidder is expected to comply the payment term specified in the tender. In case of any deviation from the tender specified payment terms, vendor's bid shall be loaded suitably as per the procedure for evaluation of the tenders stipulated in the tender document.

2. M/s. Aimil Ltd., Chandigarh

Sr.	Clause Reference of Tender	Bidder's Query/ Clarification Sought	SCL Reply
1	8.1	Our standard terms are 100% LC at sight with the condition of 90% against shipping documents and remaining 10% against installation.	The bidder is expected to comply the payment term specified in the tender. In case of any deviation from the tender specified payment terms, vendor's bid shall be loaded suitably as per the procedure for evaluation of the tenders stipulated in the tender document

2	6.3	As SCL would be having wide range of Samples including Photoresist samples & to avoid cross contamination, more Zeta potential disposable cuvettes is advisable (At least 10).	<ol style="list-style-type: none"> 1. All types of cells used for zeta potential measurement must be supplied along with the equipment. 2. Following are to be supplied for Zeta potential measurement: <ol style="list-style-type: none"> (i) cell: 1 set comprising one re-usable quartz/glass cuvette & one electrode. (ii) 5 nos. of spare re-usable quartz/glass cuvettes (without electrode).
3	1.6	<p>What would be the steps involved in instrument to minimize multiple scattering when using the back scatter angle. As SCL would be having wide range of samples such as photoresist samples, which are typically color and clear solutions, while the slurries are turbid.</p> <p>Also, the technologies involved for determining the cell positioning to be elaborated.</p>	Requirement for measurements have been specified in the tendered specifications. Vendors to provide their best equipment to meet these requirements for accurate & precise measurement.

3. M/s. Horiba India Pvt. Ltd., New Delhi

Sr. Ref	Clause Reference of Tender	Bidder's Query/ Clarification Sought	SCL Reply
1.7	Detector: Avalanche photo diode (APD) detectors	Horiba offers advanced PMT (Photo Multiplier Tube) detectors; justifying that M/s. Horiba uses Green laser and PMT is more suitable for green laser detection whereas, APD detector is more suitable for Red laser.	<p>Different technical requirements have been specified in the tendered specifications.</p> <p>Bidder to quote suitable equipment with proper justification, if any.</p>
3.1	Measurement Principle: Phase Angle Light Scattering (PALS)	Laser Doppler electrophoresis, giving remarks as PALS is patented technique used by only few vendors.	<p>Phase Angle Light scattering is used widely by majority of manufacturers. 4 out of 5 vendors present for the pre-bid conference confirmed having this capability.</p> <p>Bidder to quote suitable equipment with proper justification, if any.</p>

3.3	Zeta potential range: greater than ± 500 mV	± 200 mV; proving remarks as "Given range is sufficient for all the application".	Different technical requirements have been specified in the tendered specifications. Bidder to quote suitable equipment with proper justification, if any.
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4. M/s Anton Par India Pvt Ltd, Gurgaon- No Query
5. M/s Particle Pandits, Mumbai- No Query

General Comment:

1. Vendors expressed satisfaction on the response/clarifications provided to their queries.
2. The prospective bidders must take the responses / clarifications as recorded herein into account while submitting the bid to SCL.

Sr. Purchase & Stores Officer