General Directorate of Administrative Office IEA
National Procurement Directorate
Technical Deputy
Procurement Plans Integration & Analysis Department

Amendment No.1

Project: Research Laboratories Establishment Project
Bidding Ref. No: NPD/ASQA/1404/ICB/G-3293
Procurement Entity: Afghanistan Standard and Quality Authority (ASQA) **Issue Date: March 30, 2026**

SBD	Existing text	Amended to
TOR Pg.19	**• The model and manufacture year of equipment shall not be earlier than 2015.**	**• The model and manufacture year of equipment shall not be earlier than 2020.**

Note: other contains of the SBD & TOR are remain applicable without any changes.

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Bidders' Questions & Entity's Clarifications

Project: Research Laboratories Establishment Project
Ref. Number: NPD/ASQA/1404/ICB/G-3293
Procurement Entity: Afghanistan Standard and Quality Authority (ASQA) Delivered Date: 16, 24 & 26 of March, 2026 Response Date: 26 March 2026

<table>
<tr><th>No</th><th>Bidders' Questions</th><th>Entity's (ASQA) Responses</th><th>Added clarification to the SBD/TOR or Amended the SBD/TOR (if amended the TOR specify in where of document.)</th></tr>
<tr><td>1</td><td>Bidder is asking for some clarification to provide the correct hardware configurations. Could you please provide answers to the questions highlighted in yellow?
B. Research Laboratory Essential Equipment for Developing Standards of Polymer and Plastic
<table>
<tr><td>1</td><td>Digital/Com putrized Hydro pressure testin machine+co mputer, SW & Accessories</td><td>ASTM D1598/ ASTM D1599</td><td>Test hydrostatic pressure resistance of pipes or containers</td><td>SIGMA pressure test system</td><td>How many pressure stations are needed? Max test pressure?</td></tr>
<tr><td>34</td><td>Hot/cold water bath+access ories</td><td>ASTM D648/A STM D2837</td><td>Temprature conditionin g of test samples</td><td>X-ACT pressure test equipment</td><td>Quantity of tanks, hot and cold? Required inner dimensions of each tank</td></tr>
<tr><td>48</td><td>Hot water bath+access ories</td><td>ASTM D543</td><td>Condition dsamples or content</td><td>X-ACT pressure</td><td>Quantity of tanks, hot and cold?</td></tr>
</table></td><td>1. Number of Stations: 5 Independent Pressure Stations (to allow multiple simultaneous research tests).
Max Test Pressure: 30 Bar (suitable for standard polymer and plastic pipe testing).

34 & 48. Quantity of tanks: 2 Units (1 for Hot Water and 1 for Cold water).
Inner dimensions: 2000 x 1000 x 1000 mm (L*W*D). Material: High-grade Stainless Steel with thermal insulation.

50. Intended Piping Material?
The research laboratory is intended to test a comprehensive range of polymer and plastic pipes, including:
• Polyethylene (PE)
• Polyvinyl Chloride (PVC): PVC-U, PVC-C and PVC-O.
• Polypropylene (PP): PP-R, PP-H, and PP-B.
• PE,PVC,PP With reinforcement materials EX; fiber glass, carbon fiber, Kevlar, kompsites, steel wire winding.
Material: High-grade Stainless Steel to ensure maximum durability and corrosion resistance during long-term testing in hot water baths.
Dimensions and Quantity of End Fittings?</td><td>Added clarification to the TOR</td></tr>
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				immersion tests	test equipment	Required inner dimensions of each tank	We require a complete set of end fittings for the following outside diameters (OD) to support our research standards: • Small Scale (15 mm to 63 mm): 2 sets each (for simultaneous testing). • Medium Scale (75 mm to 160 mm): 1 set each. • Large Scale (200 mm to 315 mm): 1 set each. **55.** Max Pressure? Response: 30 Bar. (Reasoning: High pressure is essential for research purposes to ensure even high-density and multi-layer reinforced pipes, such as PE100, reach their ultimate burst point according to international standards.) Max Flow Required? Response: 90 Liters/min. (Reasoning: A high flow rate is necessary to rapidly fill large-diameter pipes and to maintain a consistent pressure ramp-up speed, ensuring the accuracy of the burst data.) Piping Material to be Bursted? **Response:** A comprehensive range of all polymer and plastic pipes, including: • Polyethylene (PE): PE80, PE100, and PE-RT. • Polyvinyl Chloride (PVC): PVC-U, PVC-C, and PVC-O (Oriented). • Polypropylene (PP): PP-R, PP-H, and PP-B. • Cross-linked Polyethylene (PEX) and Composite (Multi-layer) pipes. Minimum and Maximum Pipes to be Burst? Min: 15 mm / Max: 315 mm (OD).	
		50	End fitting + Accessories	General Testing setup	connect pipe ends during testing	End Closure Mounting Machine 1200	Intended piping material for each end fitting Dimensions of each required end fitting and material Quantity of each end fitting dimension	
		55	Pipe burst testers +computer, SW & Accessories	ASTM D1599	Test internal burst pressure pipe	SIGMA HIGH pressure	Max pressure? Max flow required? Piping material to be bursted? Minimum and maximum pips to be burst?	
2	Our partner Lansmont (USA) is asking for some clarification to provide the correct configuration. Could you please provide answers? B.Research Laboratory Essential Equipment for Developing Standards of Polymer and Plastic. 9 | Vibration tester +computer, SW & Accessories | ASTM D999 | Simulate vibration condition for packaing | Lansmont Servo-Hydraulic Vibration test systems | Lansmont corporation(part od industrial physics),USA Our vibration systems vary in price, as they are configured based on several factors including DUT weight, table size, and required performance capabilities.						Technical Clarification for Lansmont Vibration System 1. Minimum table size required Response: 1200 mm x 1200 mm. 2. Maximum total weight (DUT + fixtures) Response: 60 kg Total. Breakdown: Based on a 50 kg specimen (DUT) weight, plus an additional 10 kg for heavy-duty mounting plates and securing fixtures. 3. Performance specifications Response: Frequency Range: 0.1 Hz to 22 Hz. Displacement: 6 inch (152.4 mm) Peak-to-Peak.	**Added clarification to the TOR**

	To provide an accurate quotation, I'll need a bit more information from you: • Minimum table size required • Maximum total weight (DUT + fixtures) • Performance specifications • Applicable test standards (Sine, Random, Dwell, etc.) Once I have these details, I'll be happy to discuss the best options for your needs.	Max Acceleration: 1.5g. 4. Applicable test standards (Sine, Random, Dwell, etc.) Response: Sine, Random, and Dwell (Resonance Search) according to ASTM D999 and ISO 13355.	

No	Bidders' Questions	Entity's (ASQA) Responses	Added clarification to the SBD/TOR or Amended the SBD/TOR (if amended the TOR specify in where of document.)
3	Page 19. The model and manufacturer year of equipment shall not be earlier than 2015. Is such old equipment acceptable?	As per the ASQA new decision, The model and manufacture year of equipment shall not be earlier than **2020.**	**Amended the TOR Pg. 19**
4	An electricity of the End-User laboratories are stable? Is it 220V? Or supplier should deliver UPS for each equipment?	ASQA's electricity as the End-User of laboratories is 220V and stable, and there is no need to deliver UPS for each equipment.	**Added clarification to the TOR**
5	Page 20. Supplier is responsible for execution of all necessary connections to power sources (electricity, gas and water) in accordance with the factory standards. Will all these be connected to the laboratory room where the equipment will be installed by End User?	Electricity and water connections are available and stable in the laboratory rooms. However, any gases required for the operation of the equipment must be supplied and connected by the Supplier along with the equipment.	**Added clarification to the TOR**
6	Page 23. Obligation of ASQA. In the list there is no presence of reagents for all methods. Does it mean that Supplier should deliver all necessary reagents?	The Supplier is required to provide all necessary reagents needed for the proper operation of the equipment and the execution of all listed methods.	**Added clarification to the TOR**
7	Page 23. Contract Duration. For Petroleum lab – 49 days is too small time. In our experience – 120days. In the table, the days for the first Petroleum Lab are counted from the contract signing date, and the delivery times for the remaining labs are counted from the start of delivery for the previous lab. Please confirm this. So, we can deliver the Petroleum Lab, receive payment, then deliver the Polymer Lab, receive payment, then the subsequent labs, and so on?	At the end of Contract Duration and Work Plan (Timeline), we have mentioned that the Bidder may propose an alternative work plan that does not exceed the total contract duration, which shall be subject to approval by ASQA at its sole discretion in during of contract implementation. Furthermore, if the supplier deliver the equipment of each section separately, the delivery percentage payment of the relevant equipment shall be made separately and if the supplier deliver all sections equipment in one batch, the delivery percentage payment of the all equipment shall be made in one invoice. Therefore, ASQA is flexible for Timeline and payment terms.	**Added clarification to the TOR**
8	Please can we get Word variant of Bidding documents?	ASQA agrees to share the Word version of the only TOR Annex A: Bill of Quantities (BOQ) and the bidding forms of SBD solely for the informational and convenience	**Added clarification**

		purposes of the bidders. In case of any discrepancy between the Word and PDF versions, the PDF version shall prevail.	
9	**Payment Method in Case of Joint Venture** In the case of a Joint Venture with an international partner, where the Afghan company acts as the lead partner, could you please clarify the following: • Since the tender currency is stated as USD, will the contract be signed in USD and payments made directly in USD to the company's bank account? • If payments are made in Afghanis, will currency fluctuation adjustments be considered? • If such adjustments are applicable, could you please explain the mechanism or process used to calculate exchange rate variations?	Currently, the currency for bid submission and payment is USD. If the National Procurement Commission (NPC) determines a different payment currency at the time of contract award approval, further actions shall be taken in accordance with the NPC's instructions.	**Added clarification to the TOR**
10	**Project Site Readiness** The tender documentation indicates four components. Could you please clarify for how many of these components the buildings or installation locations for the laboratory equipment are currently ready or prepared?	The laboratory building for the Detergents and Non-Alcoholic Beverages sections is ready, while the efforts for construction of the remaining laboratory buildings is going on and will be completed soon.	**Added clarification to the TOR**
11	**Advance Payment Terms** Considering that most of the laboratory equipment will need to be procured from international manufacturers prior to delivery, would the procuring entity consider increasing the advance payment from the current 10% to 20% or 30% to facilitate the procurement process?	Not Acceptable.	**Added clarification to the TOR**

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