

REQUEST FOR INFORMATION (RFI)

Request for Quotation:	Supply, Delivery, Installation/Set-up and Annual Service of 3 x Fume hoods		
RFQ Number:	RFI/LAB/FUMEHOODS/2025/05		
Opening Date:	10 February 2025		
Closing Date:	20 February 2025	Time:	16h00
Contact Person:	Portia Jonginyanga	Email:	PortiaJ@ppecb.com
Bid Validity Period	60 days		

1. PROJECT PURPOSE

PPECB requires capable suppliers to submit Request for Information with a quotation for the supply, delivery, installation / set-up and annual service of 3 x Fume hoods on the once off order appointment.

2. SPECIFICATION

Scope of Supply (Quotation price to include all cost components): Supply, testing, and servicing of equipment.

Quantity	Item										
1	<u>To be used in the Dairy Analytical Program:</u> <u>Instrument Questionnaire</u> Instrument : Fume Hoods – Ductless Other info : Site evaluation required <table> <tr> <th>Questions</th><th>Answers</th></tr> <tr> <td>Is a ducted or ductless fume hood required? <i>If a ducted unit (that the exhaust from the fume hood is connected to an external ducting system to the outside of the building) is required, then ducting needs to be arranged through a third party as LASEC will not be able to assist with the installation.</i></td><td>Ductless</td></tr> <tr> <td>What size fume-hood is required?</td><td>2m</td></tr> <tr> <td>Could you please describe your application? <i>For example, pouring, chemical mixing, cleaning parts, etc.</i></td><td>Protein Digestion, Fat Extraction, Pouring</td></tr> <tr> <td>Please list each chemical that will be used inside the hood, including the concentration of each.</td><td>Sulphuric Acid 98% Sulphuric Acid 1.82 SG; 1.52 SG; 1.77 SG Sodium Hydroxide 30% Hydrogen Peroxide 50% Petroleum Ether 30-60°C Hydrochloric Acid 0.1 N Boric Acid 4%</td></tr> </table>	Questions	Answers	Is a ducted or ductless fume hood required? <i>If a ducted unit (that the exhaust from the fume hood is connected to an external ducting system to the outside of the building) is required, then ducting needs to be arranged through a third party as LASEC will not be able to assist with the installation.</i>	Ductless	What size fume-hood is required?	2m	Could you please describe your application? <i>For example, pouring, chemical mixing, cleaning parts, etc.</i>	Protein Digestion, Fat Extraction, Pouring	Please list each chemical that will be used inside the hood, including the concentration of each.	Sulphuric Acid 98% Sulphuric Acid 1.82 SG; 1.52 SG; 1.77 SG Sodium Hydroxide 30% Hydrogen Peroxide 50% Petroleum Ether 30-60°C Hydrochloric Acid 0.1 N Boric Acid 4%
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	What volume of each chemical will be evaporated in the hood within a 24hour period? Please state in mL. <i>If this information is unknown, please estimate the level of evaporation based on how much of each chemical (in mL) you begin the experiment with and how much of each chemical (in mL) you finish the experiment with. The difference will be the level of evaporation.</i>	Sulphuric Acid (280ml) Sulphuric Acid (200ml & 300ml) Sodium Hydroxide (2000ml) Hydrogen Peroxide (200ml) Petroleum Ether (250ml) Hydrochloric Acid (250ml) Boric Acid (1000ml) Amyl Alcohol (20ml & 30ml) (The chemicals are used every day)										
	Are any of these chemicals heated, boiled or sprayed (aerosolized)? If yes, which chemicals and please specify details.	Sulphuric Acid 98% Sulphuric Acid 1.82 SG; 1.52 SG; 1.77 SG Hydrogen Peroxide 30% Sodium Hydroxide 30%										
	What, if any, equipment (for example: hotplate, bunsen burner) will be used inside of the hood? Please specify the dimensions of each instrument to be used inside the hood.	None										
	Please describe the type of environment the hood will be used in (for example: standard lab, class 100 clean room or acidic environment).	Wet Chemistry Laboratory										
	Is a stand required?	Yes										
1	<u>To be used in the Mycotoxin Analytical Program:</u> <u>Instrument Questionnaire</u> Instrument : Fume Hoods – Ductless Other info : Site evaluation required											
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		Petroleum Ether 30-40°C Methanol Acetonitrile Ortho-phosphoric acid o-Phthaldialdehyde 2-Mercaptoethanol										
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	Are any of these chemicals heated, boiled or sprayed (aerosolized)? If yes, which chemicals and please specify details.	No										
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	Please describe the type of environment the hood will be used in (for example: standard lab, class 100 clean room or acidic environment).	Standard laboratory										
	Is a stand required?	No, we would like the bench top one.										
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	Are any of these chemicals heated, boiled or sprayed (aerosolized)? If yes, which chemicals and please specify details.	No
	What, if any, equipment (for example: hotplate, bunsen burner) will be used inside of the hood? Please specify the dimensions of each instrument to be used inside the hood.	None
	Please describe the type of environment the hood will be used in (for example: standard lab, class 100 clean room or acidic environment).	Standard laboratory
	Is a stand required?	Yes
	Three-year parts and service warranty for the major components of the equipment. Please indicate the parts that will be included on your proposal	
	A 3-year annual service cost must be included on the quote.	

Delivery address:

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Gauteng, 0157

For any enquiries please contact:

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