



**DEPARTMENT OF HEALTH AND SOCIAL AFFAIRS  
 FSM National Government  
 Capitol Street, P.O. Box PS 70  
 Palikir, Pohnpei 96941  
 Federated States of Micronesia**

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**BID ANNOUNCEMENT: BIOLOGICAL SAFETY CABINETS FOR HEALTH LABORATORIES**

<b>Bid Number:</b>	<b>DHSA/ELC 2020-01</b>	<b>Bid Opening Date:</b>	<b>March 30, 2020</b>
<b>Description:</b>	Supply, Install and Certify Biological Safety Cabinets	<b>Bid Closing Date:</b>	April 13, 2020

AGENCY'S CONTACT INFORMATION				MAILING ADDRESS:	
<b>Name:</b>	Lisa Barrow	<b>Phone:</b>	691 320 8300	FSM Department of Health and Social Affairs	
<b>Fax:</b>	691 320 8460	<b>Email:</b>	<a href="mailto:health@fsmhealth.fm">health@fsmhealth.fm</a>	PO Box PS-70, Palikir, FM 96941	

**Instructions:**

- Bids should be submitted by the time and date specified above.
- Faxed bids are acceptable and may be faxed to the number shown above.
- Email bids are acceptable and may be sent to the email address above.
- The vendor should provide the information below.

VENDOR INFORMATION	
<b>Company Name:</b>	
<b>Name</b> (type or print):	<b>Title:</b>
<b>Address:</b>	
<b>Telephone Number:</b>	<b>Fax :</b>
<b>E-Mail Address:</b>	
<b>Signature:</b> <i>Use Ink Only.</i>	

**BID FORMAT**

Any statement in this document that contains the word “will”, “must” or “shall” means that compliance with the intent of the statement is mandatory, and failure by the bidder to satisfy that intent will cause the bid to be rejected.

All bid pricing must be United States dollars and cents.

Bids will only be accepted in the English language.

The department reserves the right to reject any bid

**BRIEF OVERVIEW OF PROJECT:**

FSM Department of Health and Social Affairs is seeking bids to supply and install and certify class 2, type A2 biological safety cabinets in Yap, Chuuk, Pohnpei and Kosrae State Hospital Laboratories.

**SCOPE:**

Supply, install and certify one biological safety cabinet and matched metal stand in Pohnpei State Hospital Laboratory (width 4feet, 1200mm). Supply spare HEPA filters

Supply, install and certify one biological safety cabinets and matched metal stands in FSM Food Safety Laboratory, Pohnpei (width 3feet, 900mm). Supply spare HEPA filters

Certify biological safety cabinets and fume hoods as per the Table below

Location	Description	Serial Number
<b>Pohnpei Hospital Laboratory</b>	Fume Hood Pure Air	P62970
	Fune Hood, Clyde APAC	LF C90 1687-2017-5.0
	BSC, Clyde APAC Ultrasafe	1629
	Class II, Type A2	To be supplied
<b>Pohnpei Food Safety Laboratory</b>	Class II, type A2	To be supplied
<b>Chuuk Hospital Laboratory</b>	Email BSC 900	1632
	Email BSC 1200	1628
<b>Kosrae Hospital Laboratory</b>	Email BSC 1200	1631
<b>Yap Hospital Laboratory</b>	Email BSC 1200	1630



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**CABINET SPECIFICATIONS:**

Class two biological safety cabinets manufactured and designed to meet AS2252.2 or equivalent international standard for personnel and environmental product protection.

Construction: Outer shell shall be of metal and shall be sufficiently robust to prevent fracture or distortion. It must be gastight when subject to the decontamination process described in AS2647 or international standard.

The cabinet must be self-contained and shall consist of a work zone, pre-filter, HEPA filters and blower.

The cabinet must not be connected to any other air handling system and must be free standing or bench mounted.

HEPA filters shall be manufactured and comply with AS4260 or an acceptable equivalent; however, wooden constructed HEPA filter frames will not be accepted. The laminar flow and Exhaust HEPA filters must have a minimum arrestance efficiency of 99.99% when challenged at 0.3 µm diameter particles. The HEPA filters must be integrity tested to AS1807.6 or international standard and be free of leaks. All HEPA filters fitted on the class 2 cabinet must retain a minimum depth of 249mm deep, and the laminar air flow filter must cover the entire length and depth of the safety cabinet work zone. Mini-pleat filter depths of 44 or 75mm given the remote location and high cost for maintenance are considered unsuitable for this application.

The HEPA filters must be protected from mechanical damage by a removable perforated stainless steel guard, placed within the cabinets and located at least 100mm down-stream of the HEPA filter. A HEPA filter facia is not considered similar to a perforated stainless steel removable guard.

**CRITICAL CABINET FUNCTION:**

All HEPA filters are to be tested in accordance to AS1807.6 international standard and penetration of the filter shall not exceed 0.01%.

Inward air velocity in accordance to AS1807.22 international standard.

Work zone integrity in accordance to AS1807.5 international standard leakage shall not exceed 0.01% around any of the top or side seals.

Air velocity and uniformity in the work zone must comply to AS1807.1 international standard with an average velocity of 0.4 to 0.5 m/s

**DURATION OF WORK;**

All cabinets should be in place and certified by July 31, 2020.



Dr Livingstone Taulung

Secretary