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# STATE PROCUREMENT OFFICE NOTICE & REQUEST FOR SOLE SOURCE

STATE PROCUREMENT OFFICE  
STATE OF HAWAII  
STATION 1114

- 1. TO: Chief Procurement Officer
- 2. FROM: Transportation/Airports Division/Engineering Branch  
Department/Division/Agency

Pursuant to §103D-306, HRS, and Subchapter 9, Chapter 3-122, HAR, the Department requests sole source approval to purchase the following:

3. Description of goods, services, or construction:  
 As part of the Kahului Airport Alien Species Action Plan, the DOT is required by the Federal Aviation Administration (FAA) Record of Decision (ROD) issued in 1998, to do a baseline survey and yearly monitoring for new flora within the Airport environs. The DOT implemented a molecular survey of plants at Kahului Airport using an approach developed by ECOANALYSIS. The baseline portion of this project was completed producing a baseline DNA molecular sampling of flora at Kahului Airport. This procedure developed by ECOANALYSIS, is considered to be "intellectual property" to ECOANALYSIS.  
 This request for sole source would involve the continuation of ongoing monitoring of the Kahului Airport, to identify new flora using the same molecular technique. To monitor the change in species diversity at Kahului Airport, sampling will be done every three months. Any new species identified in this part of the study that have not yet been recorded could be indicative of new introductions through the airport, and may be considered a new entry into the Kahului Airport environs.

4. Vendor Name: EcoAnalysis  Address: 3029 Lowery Ave. Apt. K 3104 Honolulu, HI 96822	5. Price: <u>\$70,000</u>
6. Term of Contract: (mm/dd/yyyy) From: <u>12/01/2007</u> To: <u>12/31/2008</u>	7. Prior Sole Source Ref No. _____

8. Feature: The good, service, or construction has the following unique features, characteristics, or capabilities:  
 The procedure developed by ECOANALYSIS is considered to be "intellectual property" to ECOANALYSIS. Because this method is so specialized and not a traditional method using specialized biological equipment and computer software, it would be very difficult for another firm to continue the monitoring program. This method genetically characterizes and labels by "DNA barcoding" multiple individuals of each floral species found in already-established populations around Kahului Airport. Using this procedure, a seed, leaf or any portion of the plant can be used to positively identify the flora's molecular structure. From the data collected, a genetic species database would be established for complete flora found in Kahului Airport

9. Essential features. How the unique features, characteristics, or capabilities are essential for the agency to accomplish its work:  
 During inspection and monitoring, good specimens of flowers or fruits are typically not available and therefore, positive identification is not possible. Using this molecular based (DNA) procedure, a seed, leaf or any portion of the plant can be used to positively identify the flora's molecular structure. This method genetically characterizes and labels by "DNA barcoding" multiple individuals of each floral species found in already-established populations around Kahului Airport. Any new species identified in this part of the study that have not yet been recorded could be indicative of new introductions through the airport. This will provide a means of early detection of new weeds that enter the airport and become established.  
  
 Besides having DOT being in compliance with the ROD, the procedure could be developed as a possible detection tool for the Department of Agriculture to monitor incoming flora at the Airport.

11. Alternate source. The following other possible sources for the good, service, or construction were investigated but do not meet our needs because:

The method developed by Dr. Ania Wiczorek of EcoAnalysis is so unique that other biologists go to her for assistance. With her extensive knowledge in the fields of both molecular biology and ecology, and a comprehensive suite of molecular biology equipment and computing software used in these studies, she is considered a foremost authority in the development of DNA marker technology for noxious weeds. To have another source continue to use the method that has already been established of upkeeping the database, would mean a loss of time spent in training and acquiring the specialized equipment necessary to do this function.

12. Direct any inquiries to:

Department: Transportation  
Contact Name/Title: Lynn Becones/Planner

13 Phone Number:  
(808)838-8817  
Fax Number:  
(808)838-8751

Expenditure may be processed with a purchase order: Yes   No If no, a contract must be executed and funds certified.

Agency shall ensure adherence to applicable administrative and statutory requirements.

14. *I certify that the information provided above is to the best of my knowledge, true, correct and that the goods, services, or construction are available through only one source.*

10/3/07

Department Head - Administrator, Airports Division

Date

Reserved for SPO Use Only

15 Date Notice Posted: 10/05/07

Submit written objections to this intent to issue a sole source contract within seven calendar days or as otherwise allowed from the above posted date to: Chief Procurement Officer  
State Procurement Office  
P.O. Box 119  
Honolulu, Hawaii 96810-0119

16. Chief Procurement Officer's comments:

17.

APPROVED  DISAPPROVED  NO ACTION REQUIRED

10/12/07  
Date