

STATE OF HAWAII
REQUEST FOR EXEMPTION FROM CHAPTER 103D, HRS

STATE PROCUREMENT OFFICE
STATE OF HAWAII

TO: Chief Procurement Officer

FROM: Department of Land and Natural Resources/Division of Aquatic Resources
(Department/Division/Agency)

Pursuant to § 103D-102(b)(4), HRS, and Chapter 3-120, HAR, the Department requests a procurement exemption to purchase the following:

Description of goods, services, or construction:
The Bishop Museum, Dr. James Parham (PI), will design, develop and test the accuracy of a GIS-based rainfall runoff hydrological model which will provide an estimate of discharge quantities in streams with incomplete or non-existent flow records. The model will be calibrated to a group of watersheds and streams with long-term discharge records. The model will then be tested against another group of streams with long-term discharge records to determine the applicability of using the model on streams with short or non-existent discharge records to predict pre-diversion flow conditions. This effort seeks to quantify the accuracy of the model to predict an unknown hydrograph and to determine the most sensitive variables (topography, land cover, soils, etc.) in developing the rainfall-runoff relationship. The model will be built on a GIS platform so that once it can predict known conditions, it will be possible to add or remove water diversions to assess the amount of change in discharge as a result of the diversion. If successful, the rainfall-runoff model will be used together with GIS-based models of native fish habitat and instream distributions, to predict all pre-diversion conditions to be compared with current conditions.

Name of Vendor: Bishop Museum Address: 1525 Bernice Street Honolulu, HI 96817	Cost: \$90,000.00
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Term of Contract: From: May 1, 2005 To: May 31, 2006	Prior Exemption Ref. No. (if applicable)
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Explanation describing how procurement by competitive means is either not practicable or not advantageous to the State:
The Division contracted Dr. Parham in the past to design, develop and test Geographic Information System (GIS) based habitat models for native fishes in Hawaiian Streams. Over \$600,000 and 7 years have been invested to develop Dr. Parham's habitat models to the present point, and these models will be integrated with the proposed GIS-based hydrology model to assist Hawaii State water resource managers (CWRM and DAR) in predicting instream flow, ecological data integration, and model confidence assessment. These habitat models were developed in close coordination with DAR personnel and the much data reflected in the models is the result of agency surveys beginning in 1991. It is not advantageous to the State to solicit or procure another investigator what with DLNR and Dr. Parham's past investment of money and time; it would require starting all over from scratch. Due to the exigencies of this project mandated by Hawaii State Supreme Court (Waiahole Ditch Decision and Order 2000) for CWRM to develop instream flow standards for the streams in the State of Hawaii, it is not practicable to hire another Principal Investigator. If a new principal investigator were to be hired, the monetary and time requirements needed to get the habitat and hydrology models to the present status would more than double.

Details of the process or procedure to be followed in selecting the vendor to ensure maximum fair and open competition as practicable:
This vendor was selected based on the fact that Dr. Parham previously designed and developed a GIS habitat model for CWRM and DAR that will be integrated with his GIS hydrology model in the development of statewide instream flow standards; therefore, sole source. Dr. Parham is the sole designer of both the GIS habitat and GIS hydrology models and there is no one in Hawaii or on the mainland that is knowledgeable of Dr. Parham's model designs. DAR and CWRM along with Dr. Parham discussed this project with Hawaii USGS water resources division to determine if the project could be accomplished by the USGS, yet the USGS did not have expertise or ability to develop this integrated modeling project.

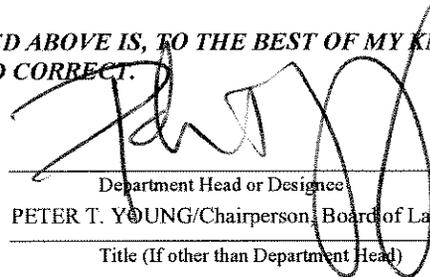
A description of the agency's internal controls and approval requirements for the exempted procurement:
 The DLNRs Fiscal Officer oversees and regulates DAR spending involving Federal and State funds. Approval for obtaining services will be obtained from the Governors Office, DLNR Board, CWRM Deputy, and Program Administration. Tracking of costs is monitored by the Fiscal Office as well as DAR Administrator, Program Manager, Budget Analyst, and Project leader.

A list of agency personnel, by position title, who will be involved in the approval process and administration of the contract:
 Peter Young, DLNR Chairperson
 Juliet Kazanjian, DLNR Fiscal Officer
 Dean Nakano, Acting CWRM Deputy
 Francis Oishi, Acting DAR Administrator
 Alton Miyasaka, Acting Program Manager
 Brian Kanenaka, Aquatic Biologist/Budget Analyst
 Katharine Hind, Administrative Assistant
 Glenn Higashi, Aquatic Biologist/Project Leader

Direct questions to: Glenn Higashi, Aquatic Biologist 1151 Punchbowl Street Rm 330, Honolulu, HI 96813	Phone Number: (808) 587-0112
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This exemption should be considered for list of exemptions attached to Chapter 3-120, HAR: Yes No

I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS, TO THE BEST OF MY KNOWLEDGE, TRUE AND CORRECT.


 Department Head or Designee
 PETER T. YOUNG/Chairperson, Board of Land & Natural Res.
 Title (If other than Department Head)

Date: 3/15/05

Chief Procurement Officer's Comments:
 This approval is for the solicitation process only, chapter 103D-310, HRS, shall apply.

Please ensure adherence to applicable administrative requirements

APPROVED

DISAPPROVED


 Chief Procurement Officer
 Date: 3/30/05

cc: Administrator,
State Procurement Office

STATE OF HAWAII NOTICE OF EXEMPTION FROM CHAPTER 103D, HRS

The Chief Procurement Officer is in the process of reviewing the request from the Department of Land and Natural Resources for exemption from Chapter 103D, HRS, for the following goods, services, or construction:

The Bishop Museum, Dr. James Parham (PI), will design, develop and test the accuracy of a GIS-based rainfall runoff hydrological model which will provide an estimate of discharge quantities in streams with incomplete or non-existent flow records. The model will be calibrated to a group of watersheds and streams with long-term discharge records. The model will then be tested against another group of streams with long-term discharge records to determine the applicability of using the model on streams with short or non-existent discharge records to predict pre-diversion flow conditions. This effort seeks to quantify the accuracy of the model to predict an unknown hydrograph and to determine the most sensitive variables (topography, land cover, soils, etc.) in developing the rainfall-runoff relationship. The model will be built on a GIS platform so that once it can predict known conditions, it will be possible to add or remove water diversions to assess the amount of change in discharge as a result of the diversion. If successful, the rainfall-runoff model will be used together with GIS-based models of native fish habitat and instream distributions, to predict all pre-diversion conditions to be compared with current conditions.

Vendor: Bishop Museum

Address: 1525 Bernice Street
Honolulu, HI 96817

Term of Contract:	From: May 1, 2005	To: May 31, 2006	Cost: \$90,000.00
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Direct any inquiries to:	
Department: Land and Natural Resources/Division of Aquatic Resources	Phone Number: (808) 587-0112
Contact Name/Title: Glenn Higashi/Aquatic Biologist	Fax Number: (808) 587-0115
Address: 1151 Punchbowl Street Room 330 Honolulu, HI 96813	



Date Posted: 3/17/05

A copy of this notice of exemption from Chapter 103D, HRS, shall be posted by the Chief Procurement Officer and the purchasing agency in an area accessible to the public, at least seven (7) calendar days prior to any approval action.

Submit written objections to this notice to issue an exemption from Chapter 103D, HRS, within seven (7) calendar days from the date posted to:

Chief Procurement Officer
Office/Agency _____
Address _____