

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
AIRPORTS DIVISION

SPECIFICATIONS AND PROPOSAL  
FOR MAINTENANCE OF  
EMERGENCY POWER FACILITY  
DANIEL K. INOUE INTERNATIONAL AIRPORT  
HONOLULU, OAHU, HAWAII  
PROJECT NO. B01324-53



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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

NOTICE TO BIDDERS

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION



NOTICE TO BIDDERS  
(Chapter 103D, HRS)

SEALED BIDS for MAINTENANCE OF EMERGENCY POWER FACILITY, DANIEL K. INOUE INTERNATIONAL AIRPORT, HONOLULU, OAHU, HAWAII, PROJECT NO. BO1324-53, will begin as advertised in HiePRO. Bidders are to register and submit bids through HiePRO only. See the following HiePRO link for important information on registering: <https://hiepro.ehawaii.gov/welcome.html>.

Deadline to submit bids is November 18, 2022, at 2:00 p.m. Hawaii Standard Time (HST). Bids received after said due date and time shall not be considered.

The scope of work consists of providing electrical maintenance at the Daniel K. Inouye International Airport Emergency Power Facility. Work will include maintaining all electrical equipment within the facility including the emergency generator sets and related equipment, switchgears, electrical breakers, transformers, SCADA systems, UPS, fire alarm system, battery racks and any other related electrical appurtenances at the facility. The estimated cost is between \$1,300,000 and \$1,600,000 per year.

To be eligible for the award, bidders must possess a valid State of Hawaii Specialty Contractor's "C-13", or "C-63" license at time of bidding. Bidder's attention is also directed to Section 10.2 of the Specifications regarding additional bidder's qualifications.

ALL requests for information shall be received in writing via HiePRO prior to the Question Due Date in the General Information of the HiePRO solicitation. Questions received after the deadline will not be addressed. Verbal requests for information will not receive a response.

A pre-bid conference is scheduled for 10:00 a.m. HST on October 14, 2022. Due to the

impacts of COVID-19, the pre-bid will be held via Microsoft Teams teleconference. All bidders that wish to attend must send an email indicating their interest to Mr. Wilfredo Estrada, State Project Manager at wilfred.a.estrada@hawaii.gov. They will be added to the Microsoft Teams attendance list and will be sent an invitation email with a Microsoft Teams web-link and teleconference call-in number. This will allow each person to attend the pre-bid via the internet or they may call in. The deadline to sign up for the pre-bid conference is one (1) working day prior to the date of the pre-bid conference.

A one-time only site visit will be scheduled for October 24, 2022, at 10:00 a.m. HST. Site visits may be scheduled with Mr. Wilfredo Estrada, State Project Manager, via email at wilfredo.a.estrada@hawaii.gov. No further site visits will be scheduled.

All prospective bidders or their representatives (employees) are encouraged to attend, but attendance is not mandatory.

The deadline to submit requests for information relating to the subject project shall be at 3:15 p.m. HST, **14 calendar days prior to bid opening not including the bid opening day.** Any requests for information submitted after this deadline shall not be answered prior to the bid opening and bidders will be expected to bid accordingly. Requests for information shall be submitted via email to Mr. Wilfredo Estrada, State Project Manager, at wilfredo.a.estrada@hawaii.gov and copied to benton.ho@hawaii.gov. Requests for information will not be accepted via phone.

Campaign contributions by State and County Contractors. Contractors are hereby notified of the applicability of Section 11-355, HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body. For more

information, contact the Campaign Spending Commission at (808) 586-0285.

Any protest of this solicitation shall be submitted in writing to the Director of Transportation, in accordance with §103D-701, HRS and §3-126, HAR.

The Equal Employment Opportunity Regulations of the Secretary of Labor implementing Executive Order 11246, as amended, shall be complied with on this project.

The U.S. Department of Transportation Regulation entitled "Nondiscrimination in Federally-Assisted Programs of the U.S. Department of Transportation," Title 49, Code of Federal Regulations (CFR), Part 21 is applicable to this project. Bidders are hereby notified that the Department of Transportation will affirmatively ensure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination on the grounds of race, color, national origin or sex (as directed by 23 CFR Part 200).

For additional information, contact Mr. Wilfredo Estrada, State Project Manager, by phone at (808) 838-8849 or by email at wilfredo.a.estrada@hawaii.gov.

The State reserves the right to reject any or all proposals and to waive any defects in said proposals for the best interest of the public.



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JADE T. BUTAY  
Director of Transportation

Posted:



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

S P E C I A L      P R O V I S I O N S



SPECIAL PROVISIONS

The Specifications contained herein are amended as follows:

A. SECTION 1 - DEFINITION AND TERMS is amended as follows:

1. The following definition shall be deleted in its entirety and replace with the following:

"1.33 SUBCONTRACTOR - An individual, partnership, firm, corporation, joint venture or other legal entity, as licensed or required to be licensed under Chapter 444, Hawaii Revised Statutes, as amended, which enters into an agreement with the Contractor to perform a portion of the work."

B. SECTION 2 - PROPOSAL REQUIREMENTS AND CONDITIONS is amended as follows:

1. 2.3 PROPOSAL GUARANTY is deleted in its entirety.

2. 2.4 DELIVERY OF PROPOSALS is amended by replacing the entire subsection with:

"2.4 DELIVERY OF PROPOSALS - The bidder shall submit the proposal in HIePRO. Bids received after said date and time shall not be considered. Original bid documents do not have to be submitted. Award will be made based on proposals submitted via HIePRO."

3. 2.5 WITHDRAWAL OF PROPOSALS is amended by replacing the entire subsection with:

"2.5 WITHDRAWAL OF PROPOSALS - A bidder may withdraw or revise a proposal after the bidder submits the proposal in HIePRO. Withdrawal or revision of proposal must be completed before the time set for receiving of bids."

4. 2.6 PUBLIC OPENING OF PROPOSALS is not applicable.

5. Add the following to the end of the section:

"2.9 CERTIFICATE FOR PERFORMANCE OF SERVICES - Pursuant to Section 103-55, Hawaii Revised Statutes, and unless indicated otherwise, each bidder is required to submit the attached "Certificate for Performance of Services" in the event the bidder submits a bid in excess of \$25,000. The notarized certificate must be submitted to said Contracts Office, Department of Transportation, 869 Punchbowl Street,

Honolulu, Hawaii 96813, before entering into a contract to perform services.

As of the bid opening date, salaries of State employees performing work similar to the work called for under this contract are as follows:

<u>Class</u>	<u>Salary Range</u>	<u>Minimum Hourly Rate</u>
Electrician I	BC-10	\$32.27
Electrician II	WS-10	\$34.16
Air Conditioning Mechanic I	BC-10	\$32.27
Air Conditioning Mechanic II	WS-10	\$34.16
Maintenance Mechanic I	BC-09	\$31.16
Maintenance Mechanic II	WS-09	\$32.99

The above information is provided to the Contractor for guidance only and is subject to change in accordance with existing collective bargaining contracts or shall change as contracts are renegotiated. It is the bidder's responsibility to verify the accuracy of the wage rates contained herein and to provide for changes in the minimum wages which must be paid personnel working on this project at all times. Information on the status of Bargaining Unit (BU) contracts can be obtained from the Airports Division Personnel Management Office (838-8619).

Bidders are further advised that they are not restricted to hire only those classifications of employees as listed, but are free to employ such other classifications of workers as the bidder deems proper and proposes to use on the project, and as may be according to the bidder's common hiring practice. However, the principal duties of employees other than those listed hereinabove working on the project will be matched against those of State workers to determine the closest equivalent State employee classification, and the Contractor must compensate such employee(s) at a rate which is no less than that of the equivalent State employee."

C. SECTION 7 - LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC is amended as follows:

7.8 LABOR AND COMPENSATION REQUIREMENTS - is amended by replacing the first two paragraphs with the following:

"7.8 LABOR AND COMPENSATION REQUIREMENTS - Pursuant to Section 103-55, H.R.S., Wages, Hours, Working Conditions of Employees of Contractor's Supplying Services, services to be rendered shall be performed by employees paid at wages or salaries not less than the wages paid to public officers and employees for similar work.

Additional information on the requirements of Section 103-55, H.R.S. may be obtained at [http://www.capitol.hawaii.gov/hrscurrent/Vol102\\_Ch0046-0115/HRS0103/HRS\\_0103-0055.htm](http://www.capitol.hawaii.gov/hrscurrent/Vol102_Ch0046-0115/HRS0103/HRS_0103-0055.htm)"

Section 7.9 INSURANCE - is amended by replacing paragraphs B and C with the following:

"B. Comprehensive Automobile Liability

The Contractor shall obtain Auto Liability Insurance covering all owned, non-owned and hired autos with a combined single limit of not less than \$5,000,000 per accident for bodily injury and property damage with the State of Hawaii named as additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess policies.

C. Commercial General Liability

The Contractor shall obtain General Liability insurance with a limit of not less than \$5,000,000 per occurrence and in the aggregates. The General liability insurance shall include the State of Hawaii as an additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess policies."

- D. SECTION 7 - LEGAL RELATIONS AND RESPONSIBILITY is amended by adding the following subsections:

7.10 SPECIAL REQUIREMENTS FOR CONTRACTOR'S OPERATIONS IN THE AIRPORT OPERATIONAL AREAS (AOA) - The Contractor shall conform with the applicable sections of the State Airports Division Rules and Regulations pertaining to its access and operation in the AOA hereinafter described as follows:

- A. Comprehensive General Liability Insurance - The Contractor shall obtain and maintain during the course of work, insurance coverage as specified by Section 7.9.
- B. Authorized Vehicles
1. Only vehicles considered safe and necessary for the performance of this contract shall be allowed to operate in the AOA.
  2. All authorized vehicles shall be identified with the Contractor's company name on each side with letters not less than four (4) inches

in height or a logo no less than six (6) inches in height.

3. As a condition to enter and operate in the AOA, the Contractor shall obtain insurance coverage as required by Section 7.9.
4. The Contractor's operations on, over, across, and/or immediately adjacent to any runway and/or taxiway at a towered airport may require the use of a two-way radio communication. The Contractor shall obtain the necessary equipment at its own expense.
5. No person shall operate a motor vehicle on the AOA without personally possessing a current Motor Vehicle Operator's Permit issued by the Airport Manager to that person.
  - a. The Motor Vehicle Operator's Permit will be issued only to persons who apply through the Airport Security Section and pass a written exam covering those portions of the Airport Rules and Regulations relating to the operation of vehicles in the AOA.
  - b. Permits issued may be suspended or revoked for cause at any time by the Airports Division.

C. Airport Operational Area Identification Badge - Contractor's employees requiring entrance to the AOA must apply and obtain identification badges through the Airport Security Office.

1. All persons employed under this contract who have unescorted access to the AOA shall have background checks (to the extent permitted by law) including at a minimum, references and prior employment histories by the employees relating to employment in the preceding ten (10) years.
2. As a condition in the issuance of AOA Identification Badges, Certification of Compliance shall be submitted with the application. The Certification shall

affirm that a background check has been performed, correct and complete of those persons requiring access to the AOA. Background check records shall be maintained by the Contractor during the course of the work and shall contain the name, address, social security number, and previous employment and the person(s) contacted to verify such employment. The records shall be made available for inspection by the State."

C. SECTION 8 - PROSECUTION AND PROGRESS - is amended as follows:

1. Subsection 8.2 SUBCONTRACTING - is amended by adding the following sentence after the first (1st) sentence in the second (2nd) paragraph:

"The Contractor, however, shall perform with its own organization, work amounting to not less than fifty percent (50%) of the total contract cost."

D. SECTION 9 - PAYMENT is amended as follows:

1. Delete Subsection 9.4- PROGRESS PAYMENTS in its entirety and replace with the following:

"9.4 PROGRESS PAYMENTS - One original invoice and three copies shall be submitted to the State Project Manager by the 15<sup>th</sup> of the month and shall include the signed completed maintenance checklist and the monthly service log reports. An electronic copy of the monthly invoice, attached reports, and maintenance checklist, shall be submitted to the State Project Manager. Payment will be made to the Contractor at the contract unit price per service rendered as indicated in the Proposal Schedule. These prices shall be full compensation for furnishing all labor, materials, equipment, and incidentals necessary to complete the work.

The State shall withhold payment on any invoice missing any reports, certifications, checklists and/or proper documentation. All documentation shall be in the proper format in order for processing to proceed.

The State also reserves the right to withhold payment on any invoice if it has been determined that the performance is not in compliance with these specifications, up to standard,

and/or if work has not been completed to the satisfaction of the State."

2. SECTION 9 - PAYMENT is amended by adding the following subsection:

"9.6 RELEASE OF RETAINAGE - The State may release the payments withheld (retainage) at the end of a one-year term provided:

- (a) The Contractor has satisfactorily fulfilled the terms and conditions of the Contract for that one-year term.
- (b) The Contractor submits a current tax clearance certificate."



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

S P E C I F I C A T I O N



## SECTION 1 - DEFINITION AND TERMS

Whenever the following pronouns are used in these specifications, or in any documents or instruments where these specifications govern, the intent and meaning shall be interpreted as follows:

1.1 ADDENDA - A written document which may be issued by the Director during the bidding period involving changes to the specifications and plans, if any, which shall be considered and made a part of the contract.

1.2 AIRPORTS DIVISION - Airports Division, Department of Transportation, State of Hawaii.

1.3 AWARD - The written acceptance of a proposal by the State.

1.4 BIDDER - Any individual, partnership, corporation or other legal entity, or combination thereof, submitting a proposal for the work contemplated, acting either directly or through a duly authorized representative.

1.5 CALENDAR DAY - Every day shown on the calendar. If no designation of calendar or working day is made, "day" shall mean calendar day.

1.6 CHANGE ORDER - A written order issued by the Director to the Contractor requiring the contract work to be performed in accordance with a change or changes that may involve an adjustment in contract time and price or requiring performance of any unforeseen work essential to complete the contract.

1.7 CONTRACT - The written agreement between the State and the Contractor setting forth the obligations of the parties thereunder, including, but not limited to, the performance of the work, the furnishing of labor and materials, and the basis of payment.

The contract includes the (1) notice to bidders, (2) proposal, (3) contract form and contract bond, (4) specifications, (5) special provisions and plans, if any, (6) addenda, (7) notice to proceed, and (8) change orders and agreements that are required to complete the work, all of which constitute one instrument.

1.8 CONTRACT BOND - The approved form of security, executed by the Contractor and its Surety or Sureties, guaranteeing the completion of the work in accordance with the terms of the contract, and guaranteeing full payment of all claims for labor, materials, and supplies used or incorporated in the work.

1.9 CONTRACT TIME - The number of working days or calendar days allowed for completion of the contract, including authorized time extensions.

If a calendar date is specified as the date of completion in lieu of the number of working days or calendar days, the contract shall be completed by that date.

In case the contract is for a specified period of time, the contract time shall be for said specified period of time.

1.10 CONTRACTOR - The individual, partnership, corporation or other legal entity, or combination thereof, contracting with the State for performance of the prescribed work.

1.11 DEPARTMENT - The State Department of Transportation.

1.12 DIRECTOR - The Director of Transportation, acting either directly or through the Director's duly authorized representative.

1.13 EQUAL OR APPROVED EQUAL - Whenever this term is used in the specifications and plans, if any, it means a brand or article pre-qualified in accordance with Section 6.2 Trade Names and Alternates and which may be used in place of the one specified.

1.14 H.A.R. or HAR - Hawaii Administrative Rules.

1.15 H.R.S. or HRS - Hawaii Revised Statutes.

1.16 HARBORS DIVISION - Harbors Division, Department of Transportation, State of Hawaii.

1.17 HIGHWAYS DIVISION - Highways Division, Department of Transportation, State of Hawaii.

1.18 HOLIDAYS - The days which are set apart and established as State holidays pursuant to Section 8-1, H.R.S.

1.19 INSPECTOR - The Director's authorized representative assigned to make detailed inspections of contract performance and materials supplied.

1.20 NOTICE TO BIDDERS - The public announcement, as required by law, inviting proposals for the work to be performed or materials to be furnished.

1.21 NOTICE OF FINAL ACCEPTANCE - Written notice from the Director to the Contractor that the entire contract has been completed in all respects in accordance with the specifications and plans, if any, and any changes thereof previously approved by the Director.

1.22 NOTICE TO PROCEED - Written notice from the Director to the Contractor advising the Contractor of the date on which he is to begin the prosecution of the work.

1.23 PLANS - The contract drawings approved by the Director which show the location, character, dimensions and details of the work to be done and shall be a part of the contract.

1.24 PROCUREMENT OFFICER - The Director's duly authorized representative including project managers, project engineers and contract administrators assigned to prepare, evaluate and administer contracts for the purchasing of goods and services.

1.25 PROPOSAL (OR BID) - The offer of a bidder, on the prescribed form, to perform the work and to furnish the labor and materials at the prices quoted.

1.26 PROPOSAL FORM - The approved format prepared by the Department or a facsimile thereof on which bids for the work must be prepared and submitted. (Reasonable facsimile acceptable for bidding.)

1.27 PROPOSAL GUARANTY - The security furnished with a proposal to guarantee that the bidder will enter into the contract and furnish all other requirements if the bidder's proposal is accepted.

1.28 QUALIFICATION QUESTIONNAIRE - The specified forms on which the bidder shall furnish required information as to the bidder's ability to perform and finance the work.

1.29 S.L.H. or SLH - Session Laws of Hawaii.

1.30 SPECIAL PROVISIONS - Revisions to the specifications. The specific clauses setting forth conditions or requirements peculiar to the project under consideration which are not thoroughly or satisfactorily stipulated in these specifications.

1.31 SPECIFICATIONS - The directions, provisions, and requirements pertaining to the method and manner of performing the work and to the quantities and qualities of materials to be furnished under the contract.

1.32 STATE - The State of Hawaii.

1.33 SUBCONTRACTOR - An individual, partnership, corporation, other legal entity, or any combination thereof, that enters into an agreement with the Contractor to perform a portion of the work for the Contractor.

1.34 SUPERINTENDENT - The Contractor's representative who is responsible for and in charge of the work.

1.35 SURETY - The corporation, partnership or individual, other than the Contractor, executing a bond furnished by the Contractor and guaranteeing performance by the Contractor.

1.36 TITLES (OR HEADINGS) - The titles or headings of the Sections herein are intended for convenience of reference and shall not be considered as having any bearing on their interpretation. Unless otherwise indicated, whenever the word "Section" is used, reference is being made to a Section in these specifications.

1.37 WORK - The furnishing of all labor, materials, equipment, and other incidentals necessary or convenient for the successful completion of the project and the execution of all the duties and obligations imposed by the contract.

1.38 WORKING DAY - Any day, except Saturdays, Sundays and State holidays.

## SECTION 2 - PROPOSAL REQUIREMENTS AND CONDITIONS

2.1 QUALIFICATION OF BIDDERS - Prospective bidders must be capable of performing the work for which bids are called.

In accordance with Section 103D-310, HRS, the Department may require any prospective bidder to submit answers to questions contained in the "Standard Qualification Questionnaire for Prospective Bidders on Public Works Contracts" on the form furnished by the Department, properly executed and notarized, setting forth a complete statement of the experience of such prospective bidder and its organization in performing similar work and a statement of the equipment proposed to be used, together with adequate proof of the availability of such equipment. Whenever it appears to the Department, from answers to the questionnaire or otherwise, that the prospective bidder is not fully qualified and able to perform the intended work, the Department will, after affording the prospective bidder an opportunity to be heard and if still of the opinion that the bidder is not fully qualified to perform the work, refuse to receive or consider any bid offered by the prospective bidder. All information contained in the answers to the questionnaire shall be kept confidential. Questionnaire so submitted shall be returned to the bidders after serving their purpose.

Failure to complete the qualification questionnaire will be sufficient cause for the Department to disqualify a prospective bidder.

No person, firm or corporation may bid where (1) the person, firm, or corporation, or (2) a corporation owned substantially by the person, firm, or corporation, or (3) a substantial stockholder or an officer of the corporation, or (4) a partner or substantial investor in the firm is in arrears in payments owed to the State of Hawaii or its political subdivisions or is in default as a surety or failure to do faithfully and diligently previous contracts with the State.

2.2 REJECTION OF PROPOSALS CONTAINING ALTERATIONS, ERASURES, OR IRREGULARITIES - Proposals may be rejected if they show any alterations of form, additions not called for, conditional bids, incomplete bids, erasures, or irregularities of any kind.

When proposals are signed by any agent, other than the officer or officers of a corporation authorized to sign contract on its behalf or a member of copartnership, a Power of Attorney must be on file with the Department prior to opening bids or shall be submitted with the proposal; otherwise, the proposal may be rejected as irregular and unauthorized.

Members of a joint venture may be requested to supply the Department with a copy of their joint venture agreement or each member of the joint venture may be required to sign the proposal.

2.3 PROPOSAL GUARANTY - A proposal guaranty (bid bond) is not required except when specifically noted in the proposal section of the bid document.

When a proposal guaranty is required with a bid, it will be specifically stated in the proposal; and no proposal totaling \$25,000 or more will be considered unless accompanied by one of the following forms of bidder's security:

- A. a deposit of legal tender; or
- B. a surety bid bond underwritten by a company licensed to issue bonds in the State of Hawaii and submitted on the standard form provided herewith; or
- C. a certificate of deposit, share certificate, cashier's check, treasurer's check, teller's check, or official check drawn by, or a certified check accepted by and payable on demand to the State by a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation (FDIC) or the National Credit Union Administration (NCUA).
  - 1. The bidder may use these instruments only to a maximum of one hundred thousand dollars (\$100,000.00).
  - 2. If the required security or bond amount totals over one hundred thousand dollars (\$100,000.00), more than one instrument not exceeding one hundred thousand dollars (\$100,000.00) each and issued by different financial institutions shall be acceptable.
  - 3. The instrument shall be made payable at sight to the Department of Transportation, State of Hawaii.

According to Section 103D-323, HRS, the above shall be in a sum not less than five percent (5%) of the amount bid.

2.4 DELIVERY OF PROPOSALS - Each proposal shall be placed, together with the proposal guaranty when required, in an envelope and sealed and so marked as to indicate the identity of the project, the name and address of the bidder, and other required information and then delivered as indicated in the Notice to Bidders. Proposals will be received up to the time fixed in the Notice to Bidders for the opening of bids.



2.5 WITHDRAWAL OF PROPOSALS - Any proposal may be withdrawn at any time prior to the time fixed in the Notice to Bidders for the opening of proposals upon the filing of a written request therefore with the Department, executed by the bidder or a duly authorized representative. The withdrawal of a proposal shall not preclude a bidder from submitting a new proposal.

2.6 PUBLIC OPENING OF PROPOSALS - Proposals will be opened and read publicly at the time and place indicated in the Notice to Bidders. Bidders or their authorized agents are invited to be present.

2.7 DISQUALIFICATION OF BIDDERS - Any of the following reasons may be considered as being sufficient grounds for the disqualification of a bidder and the rejection of his proposal or proposals.

A. More than one proposal for the same work from an individual, firm, or corporation under the same or different name.

B. Evidence of collusion among bidders. Participants in such collusion will receive no recognition as bidders for any future work of the Department until such participant shall have been reinstated as a qualified bidder.

C. Evidence of assistance from a person who has been an employee of the agency within the preceding two years and who participated while in State office or employment in the matter with which the contract is directly concerned, pursuant to Section 84-15, H.R.S.

D. Lack of proposal guaranty.

E. Unsigned proposal or proposal not signed in ink by person or persons legally authorized to submit a proposal on behalf of the bidder.

2.8 MATERIAL GUARANTY - The bidder may be required to furnish a complete statement of the origin, composition and manufacture of any or all materials to be used in the prosecution of the work, together with samples. Such samples may be subjected to tests to determine their quality and fitness for the work.



SECTION 3 - AWARD AND EXECUTION OF CONTRACT

3.1 AWARD OF CONTRACT - The State reserves the right to reject any and all proposals and to waive any defects as may be deemed to be in the best interest of the public.

The award of contract, if it be awarded, will be made within sixty (60) calendar days after the opening of bids to the lowest responsive and responsible bidder whose proposal complies with all the prescribed requirements. The successful bidder will be notified, by letter mailed to the address shown in its proposal, that its proposal has been accepted and it has been awarded the contract.

**Requirement for award.** To be eligible for award, the apparent low Bidder will be contacted to submit copies of the documents listed below to demonstrate compliance with Section 103D-310(c), HRS. The documents should be submitted to the Department as soon as possible. If a valid certificate/clearance is not submitted on a timely basis for award of a contract, a Bidder otherwise responsive and responsible may not receive the award.

**A. Tax Clearance.**

Pursuant to §103D-310(c), 103-53 and 103D-328, HRS, the successful bidder shall be required to submit a certified copy of its tax clearance issued by the Hawaii State Department of Taxation (DOTAX) and the Internal Revenue Service (IRS) to demonstrate its compliance with Chapter 237, HRS. A tax clearance is valid for six (6) months from the most recent approval stamp date on the tax clearance and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date.

FORM A6, TAX CLEARANCE CERTIFICATE, is available at the following website:

<http://www.hawaii.gov/tax/>

To receive DOTAX Forms by fax or mail, phone (808)587-7572 or 1-800-222-7572.

The application for the Tax Clearance Certificate is the responsibility of the bidder, and must be submitted directly to the DOTAX or IRS. The approved certificate may then be submitted to the Department.

**B. DLIR Certificate of Compliance.**

Pursuant to §103D-310(c), HRS, the successful bidder shall be required to submit a copy (faxed copies are acceptable) of its approved Certificate of Compliance issued by the Hawaii State Department of Labor and Industrial Relations (DLIR) to demonstrate its compliance with unemployment insurance (Chapter 383, HRS), workers' compensation (Chapter 386, HRS), temporary disability insurance (Chapter 392, HRS), and prepaid health care (Chapter 393, HRS). The certificate is valid for six (6) months from the most recent approval stamp date on the certificate and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date. For certificates which receive a "pending" approval stamp, a DLIR approval stamp is required prior to the issuance of the Notice to Proceed.

FORM LIR#27, APPLICATION FOR CERTIFICATE OF COMPLIANCE WITH SECTION 3-122-112, HAR, is available at the following website:

[www.hawaii.gov/labor](http://www.hawaii.gov/labor)

More information is available by calling the DLIR Unemployment Insurance Division at (808) 586-8926.

Inquiries regarding the status of a LIR#27 Form may be made by calling the DLIR Disability Compensation Division at (808)586-9200.

The application for the Certificate of Compliance is the responsibility of the bidder, and must be submitted directly to the DLIR. The approved certificate may then be submitted to the Department.

**C. DCCA Certificate of Good Standing.**

Pursuant to §103D-310(c), HRS, the successful bidder shall be required to submit a copy (faxed copies are acceptable) of its approved Certificate of Good Standing issued by the Hawaii State Department of Commerce and Consumer Affairs (DCCA), Business Registration Division (BREG) to demonstrate that it is either:

- (1) incorporated or organized under the laws of the State; or
- (2) registered to do business in the State as

a separate branch or division that is capable of fully performing under the contract.

A Certificate of Good Standing is valid for six (6) months from the approval date on the certificate and must be valid on the bid's first legal advertisement date or any date thereafter up to the bid opening date. A Hawaii business that is a sole proprietorship, is not required to register with the BREG, and therefore not required to submit a Certificate of Good Standing. Bidders are advised that there are costs associated with registering and obtaining a Certificate of Good Standing from the DCCA.

To purchase a CERTIFICATE OF GOOD STANDING, go to On-Line Services at the following website:

[www.hawaii.gov/dcca/](http://www.hawaii.gov/dcca/)

The application for the Certificate of Good Standing is the responsibility of the bidder, and must be submitted directly to the DCCA. The approved certificate may then be submitted to the Department.

3.2 CANCELLATION OF AWARD - The State reserves the right to cancel the award of any contract any time before the execution of said contract by all parties without any liability to the successful bidder or any other bidder.

3.3 RETURN OF PROPOSAL GUARANTY - All proposal guaranties, except those of the lowest two (2) bidders, will be returned immediately following the opening and checking of the proposals. The retained proposal guaranty of the second lowest bidder, if not a bid bond, will be returned within ten (10) calendar days following execution of contract by the successful bidder. The successful bidder's proposal guaranty, if not a bid bond, will be returned after a satisfactory contract bond has been furnished and the contract has been executed.

3.4 REQUIREMENT OF CONTRACT BOND - Only when required by the proposal, the successful bidder at the time of the execution of the contract shall file good and sufficient performance and payment bonds on the forms furnished by the Department, or a facsimile thereof, conditioned for the full and faithful performance of the contract in accordance with the terms and intent thereof and also for the prompt payment to all others for all labor and materials furnished by them to it and use in the prosecution of the work provided for in such contract,

in the manner, form and amount required by Section 3-122-224(b)(2), H.A.R., which bonds shall be in an amount equal to fifty per cent (50%) of the contract price, including amounts estimated to be required for extra work, or in the case of price-term, open-end, or requirements contract under which the total amount to be paid to the Contractor cannot be accurately estimated at the time the contract is to be awarded, the bond amounts shall be as designated in the bid documents. Such bonds shall also by their terms inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in the work so as to give them a right of action as contemplated by Section 103D-324, H.R.S.

The bidder shall limit the acceptable performance and payment bonds to the following:

- (a) Legal tender; or
- (b) Surety bond underwritten by a company licensed to issue bonds in the State of Hawaii; or
- (c) A certificate of deposit; share certificate,; cashier's check; treasurer's check; teller's check drawn by or a certified check accepted by and payable on demand to the State by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation (FDIC) or the National Credit Union Administration (NCUA).

1. The bidder may use these instruments only to a maximum of one hundred thousand dollars (\$100,000.00).

2. If the required security or bond amount totals over one hundred thousand dollars (\$100,000.00) more than one instrument not exceeding one hundred thousand dollars (\$100,000.00) each and issued by different financial institutions shall be acceptable.

3.5 EXECUTION OF CONTRACT - The contract and the "Certificate for Performance of Services", similar to a copy of the same annexed hereto, shall be executed by the successful bidder and returned, together with the contract bonds, when required, within ten (10) days after the award of the contract or within such further time as the Director may allow after the bidder has received the contract for execution.

Pursuant to Section 103D-309, H.R.S., the contract shall not bind the State in any way unless said contract has been fully and properly executed by all the parties thereto and

the Comptroller has endorsed thereon a certificate that there is available an unexpended appropriation over and above all outstanding contracts, sufficient to cover the amount required by the contract.

3.6 FAILURE TO EXECUTE CONTRACT - Failure to execute the contract, Certificate for Performance of Services and file acceptable bonds, when required, within ten (10) days after the award of the contract, or within such further time as the Director may allow, shall be cause for the cancellation of the award and the forfeiture of the proposal guaranty. Award of the contract may then be made to the next lowest responsible bidder.





## SECTION 4 - SCOPE OF WORK

4.1 WORK TO BE DONE - The work to be done is described in the Section(s) following Section 9 of these specifications.

4.2 PERFORMANCE OF WORK - The Contractor shall employ, so far as possible, such methods and means in carrying out his work so as not to cause any interruption, disturbance, or interference with the public.

In case the Contractor is performing work in a building, the Contractor shall conduct the work in such a manner so as not to cause any interruption, disturbance, or interference with the business activities of the tenants in the building.

4.3 EXTRA WORK - New and unforeseen items of work will be classed as extra work when they cannot be covered by any of the various items for which there is a bid price.

### 4.4 CHANGES AND CLAIMS FOR ADJUSTMENT

A. Change order. By a written order, at any time, and without notice to any surety, the procurement officer may, subject to all appropriate adjustments, make changes within the general scope of this contract in any one or more of the following:

1. Drawings, designs, or specifications, if the goods to be furnished are to be specially manufactured for the State in accordance therewith;
2. Method of shipment or packing;
3. Place of delivery;
4. Changes in the work within the scope of the contract; or
5. Changes in the time of performance of the contract that do not alter the scope of work.

B. Adjustments of price or time for performance. If any change order increases or decreases the contractor's cost of, or the time required for, performance of any part of the work under this contract, whether or not changed by the order, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract. Failure of the parties to agree to an adjustment shall not excuse the contractor from proceeding with the contract as changed, provided that the procurement officer promptly and duly make the provisional adjustments in payment or time for performance as may be reasonable. By proceeding with the work, the contractor shall not be deemed to have

prejudiced any claim for additional compensation, or an extension of time for completion.

C. Time period for claim. Within thirty (30) days after receipt of a written change order under subsection (a) unless the period is extended by the procurement officer in writing, the contractor shall file notice of intent to assert a claim for an adjustment. Later notification shall not bar the contractor's claim unless the State or county is prejudiced by the delay in notification.

D. Claim barred after final payment. No claim by the contractor for an adjustment hereunder shall be allowed if notice is not given prior to final payment under this contract.

E. Other claims not barred. In the absence of a change order, nothing in this clause shall be deemed to restrict the contractor's right to pursue a claim as under the contract or for breach of contract.

#### 4.5 PRICE ADJUSTMENT

Any adjustment in contract price pursuant to a clause in this contract shall be made in one or more of the following ways:

A. By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as practicable;

B. By unit prices specified in the contract or subsequently agreed upon;

C. By the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as specified in the contract or subsequently agreed upon;

D. In such other manner as the parties may mutually agree; or

E. In the absence of agreement between the parties, by a unilateral determination by the procurement officer of the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as computed by the procurement officer in accordance with generally accepted accounting principles and applicable sections of chapters 3-123 and 3-126 of the Hawaii Administrative Rules.

#### 4.6 VARIATION IN QUANTITY

Upon agreement of the parties, the quantity of goods or services or both specified in this contract may be increased by a maximum of ten (10) percent provided (1) the unit prices will remain the same except for any price adjustments otherwise applicable and (2) the procurement officer makes a written determination that such an increase will either be more economical than awarding another contract or that it would not be practical to award another contract.



## SECTION 5 - CONTROL OF WORK

5.1 AUTHORITY OF DIRECTOR - The Director shall decide all questions which may arise as to the quality or acceptability of materials furnished and work performed; the manner of performance and rate of progress of the work; the compensation for work performed; the interpretation of the contract and the fulfillment of the contract on the part of the Contractor. The Director's decision shall be final and the Director shall have the authority to enforce any such decision and order which the Contractor fails to carry out promptly and diligently. The Director shall have the following powers in the way of enforcement:

- A. The right to suspend the work.
- B. The right to withhold payment due the Contractor.

5.2 COORDINATION OF PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS - These specifications, the plans, special provisions, and all supplementary documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to describe and provide for the complete work.

5.3 COOPERATION OF CONTRACTOR AND DIRECTOR - The Contractor shall have available at the work site at all times, a copy of the specifications, special provisions and plans. The Contractor shall give the work constant attention to facilitate the progress thereof and shall cooperate with the Director in every way possible.

Before starting work on the project, the Contractor shall designate in writing a superintendent who shall have complete authority to represent and to act for the Contractor.

5.4 INSPECTION - The Director at all times shall have access to the work during its prosecution and shall be furnished with every reasonable facility for ascertaining that the materials and the workmanship are in accordance with the requirements and intentions of these specifications and special provisions. All work done and all materials furnished shall be subject to the Director's inspection and approval.

The inspection of the work shall not relieve the Contractor of any of its obligations to fulfill its contract as prescribed, and defective work shall be made good and unsuitable materials may be rejected, notwithstanding that such defective work and materials may have been previously overlooked by the Director and accepted or included in an estimate for payment.

Projects financed in whole or in part with Federal funds shall be subject to inspection at all times by representatives of the Federal agency involved.

5.5 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK - All work which has been rejected shall be corrected or removed and replaced by the Contractor in an acceptable manner and no compensation will be allowed the Contractor for such correction or removal and replacement. Upon failure on the part of the Contractor to comply promptly with any order of the Director, the Director may cause any rejected work to be corrected or removed and replaced and to deduct the costs thereof from any monies due or to become due the Contractor.

5.6 CLAIMS AND DISPUTES - The Contractor may give notice in writing to the Director for claims that extra compensation, damages, or an extension of time for completion is due the Contractor for one or more of the following reasons:

- A. Requirements not clearly covered in the contract, or not ordered by the Director as extra work;
- B. Failure between the State and the Contractor to agree to an adjustment in price for a contract change order issued by the State; or
- C. An action or omission on the part of the Director requiring performance changes within the scope of the contract.

The Contractor shall continue with performance of the contract in compliance with the directions or orders of the procurement officer, but by so doing, the Contractor shall not be deemed to have prejudiced any claim for additional compensation, damages, or an extension of time for completion; provided:

- A. The notice in writing be given:
  - 1. Before the commencement of the work involved, if at that time the Contractor knows of such requirements or the occurrence of such actions or omissions; or
  - 2. Within thirty (30) calendar days after the Contractor knows of such requirements or the occurrence of such action or omission if the Contractor did not have such knowledge before the commencement of the work; or
  - 3. Within thirty (30) calendar days after receipt of the written contract change order that was not

agreed upon by both parties; or

4. Within such further time as may be allowed by the Director in writing.

B. The notice shall clearly state the Contractor's intention to make claim and the reasons why the Contractor believes that additional compensation, changes or an extension of time may be remedies to which the Contractor is entitled; and afford the Director every facility for keeping records of the actual cost of work. Failure on the part of the Contractor to give such notification or to afford the procurement officer proper facilities for keeping strict account of actual cost shall constitute waiver of the claim for such extra compensation. The filing of such notice by the Contractor and the keeping of costs by the procurement officer shall not in any way be construed to prove the validity of the claim.

The Director will review the notice and render a decision. The Director's decision shall be final and conclusive unless, within thirty (30) calendar days from the date of the decision, the Contractor mails or otherwise furnishes a written appeal to the Director. The decision of the Director shall be final. Later notification of such claims shall not bar the Contractor's claim unless the State is prejudiced by the delay in notification. No claim by the Contractor for an adjustment hereunder shall be allowed if notice is not given before final payment under this contract. Any adjustment in the contract price made pursuant to this clause shall be determined according to Section 4.5 - Price Adjustment.

The provisions of this Section shall not be construed as establishing any claims contrary to the terms of Section 4.4 - Changes and Claims for Adjustment.

Nothing herein contained, however, shall excuse the Contractor from compliance with any rules of law precluding any state officers and any Contractors from acting in collusion or bad faith in issuing or performing contract change orders which are clearly not within the scope of the contract.





SECTION 6 - CONTROL OF MATERIAL AND EQUIPMENT

6.1 DEFECTIVE MATERIALS - All materials not conforming to the requirements of these specifications or the special provisions shall be considered defective and all such materials, whether in place or not, shall be rejected. They shall be removed immediately from the site of the work, unless otherwise permitted by the Director. No rejected materials, the defects of which have been subsequently corrected, shall be used until approval in writing has been given by the Director. Upon failure on the part of the Contractor to comply promptly with any order to remove and replace defective materials, the Director may remove and replace defective material and to deduct the cost of removal and replacement from any monies due or to become due the Contractor.

6.2 TRADE NAMES AND ALTERNATES - For convenience in designation on the plans or in the specifications, certain equipment or articles or materials may be designated under a trade name or the name of a manufacturer and its information catalogue. The use of alternate equipment or an article or material which is of equal quality and of the required characteristics for the purposes intended will be permitted, subject to the written approval of the Director, in accordance with the following requirements:

A. QUALIFICATION BEFORE BID OPENING - When the specifications and/or plans specify one or more manufacturer's brand names of materials or equipment to indicate a quality, style, appearance, or performance, the bidder will be assumed to have based its bid on one of the specified named products, except where such proprietary product are specified, alternate brands may be qualified if found equal or better by the Director. Bidders requesting qualification of alternate proprietary products must submit a request to the Director for review and approval at the earliest date possible, but in any event, such request must be received at the Contracts office not later than ten (10) days before the bid opening date, not including the bid opening date.

It shall be the responsibility of the bidder to submit sufficient evidence based upon which a determination can be made by the Director that the alternate brand is qualified. The evidence shall be transmitted with a covering letter which shall list the evidence submitted and the items for which the substitution is requested.

If the evidence accompanying a request for substitution is insufficient to qualify a particular

model, the request shall be denied provided that further evidence may be submitted to qualify the item five (5) days prior to the bid opening date if the initial request was made prior to the deadline set above.

B. SUBSTITUTION AFTER BID OPENING - Substitution of material or equipment will not be allowed after the bid opening date except under the following unforeseen circumstances:

1. If a specified or pre qualified item is delayed by a lengthy strike in the factory or other unforeseeable contingency beyond the control of the Contractor which would cause an abnormal delay in the project completion.
2. If a specified or pre qualified item is found to be unusable due to change or other circumstances.
3. If the Contractor is willing to provide a more recently developed or manufactured item of material or equipment of the same manufacturer which the Director determines to be equal or better than the one specified or pre-qualified.

A substitution request, regardless of reason, shall be fully explained in writing by the Contractor and shall include its justification for said request, the quantities and unit prices involved, quotations and such other documents as are deemed necessary to support the request. Any savings in cost will accrue to the State and any additional cost for the substituted items will be paid by the Contractor.

The burden of proof as to the comparative quality and suitability of alternate equipment, articles, or materials shall be upon the bidder or Contractor and bidder or Contractor shall furnish, at its own expense, all information necessary or related thereto as required by the Director. The Director shall be the sole judge as to the comparative quality and suitability of alternate equipment, articles or materials and the Director's decisions shall be final.

The above shall not be construed to mean that substitution for brand name specified materials and equipment will be allowed; the Director reserves the right to deny any request he deems irregular or not in the best interest of the State.

6.3 ASSIGNMENT OF ANTITRUST CLAIMS FOR OVERCHARGES FOR GOODS AND MATERIALS PURCHASED

A. Vendor and purchaser recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the purchaser. Therefore, vendor hereby assigns to purchaser any and all claims for such overcharges as to goods and materials purchased in connection with this order or contract, except as to overcharges which result from antitrust violations commencing after the price is established under this order or contract and which are not passed on to the purchaser under an escalation clause.

B. Contractor and owner recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the owner. Therefore, contractor hereby assigns to owner any and all claims for such overcharges as to goods and materials purchased in connection with this order or contract, except as to overcharges which result from antitrust violations commencing after the price is established under this order or contract and any change order. In addition, contractor warrants and represents that each of its first tier suppliers and subcontractors shall assign any and all such claims to owner, subject to the aforementioned exception.



SECTION 7 - LEGAL RELATIONS AND RESPONSIBILITY

7.1 LAWS TO BE OBSERVED - The Contractor shall comply with all federal, state, city and county laws, ordinances, rules and regulations which in any manner affect those engaged or employed in the work, the materials used in the work, and the conduct of the work. Any reference to such laws, ordinances, rules and regulations shall include any amendments thereto effective as of the date of the call for sealed proposals.

The Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees against any claim or liability arising from or based on the violation of any such laws, ordinances, rules or regulations. If any discrepancy or inconsistency is discovered in the contract for the work in relation to any law, ordinance, rule, regulation, order or decree, the Contractor shall forthwith report the same to the Director in writing.

7.2 PERMITS AND LICENSES - The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

7.3 PATENTS - The Contractor shall assume all costs arising from the use of patented materials, equipment, devices, or processes used on or incorporated in the work, and shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees from all suits at law or actions of every nature, for or on account of the use of any patented materials, equipment, devices or processes.

7.4 RESPONSIBILITY FOR INJURY AND DAMAGE - The State, its officers, agents and employees shall not be held accountable in any manner for any loss or damage to the work or any part thereof, or for any of the materials and equipment used or employed in performing the work, or for any injury to any person or persons either workers or the public, or for any damage to property caused by the Contractor or its workers or any one employed by the Contractor. The Contractor shall be responsible for any liability imposed by law for any injury to any person or any damage to property resulting from defects or obstructions or from any cause whatsoever during the progress of the work or at any time before its completion and final acceptance. The acceptance of the completed work of the Contractor by the Director shall not relieve the Contractor from any liability which may have accrued or may accrue as a result of the performance of the work by the Contractor. The Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State, its officers, agents and employees, from all suits or actions of every name, kind and description, brought for or on account of

any injuries or damages sustained by any persons or property caused by the Contractor, its servants or agents, or by or on account of any act or omission of the Contractor or its servants or agents, regardless of whether such actions or any claim is brought against them or any one of them before or after the final acceptance of the work. In addition to any remedy authorized by law, the State may withhold payment of any money due to Contractor as shall be reasonable until disposition has been made of any suits or claims for injuries or damages.

It is not the intention of the parties to this contract to make the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party hereto to maintain a suit for personal injuries or property damage based on a contract theory of liability. In any event, the Contractor shall hold harmless, indemnify, defend and where appropriate, insure the State from suits and claims for personal injuries or property damage where such injuries or damage are caused by the negligent acts or omissions of the Contractor, its agents or employees.

7.5 COOPERATION BETWEEN CONTRACTORS - Where two or more Contractors are employed on related or adjacent work, each shall conduct its operations in such a manner as not to cause any unnecessary delay or hindrance to the other.

7.6 CONTRACTOR'S RESPONSIBILITY FOR WORK - Until the acceptance of the contract, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all damages to any portion of the work occasioned by any of the above causes before its completion and acceptance and shall bear the expenses thereof.

7.7 NO PERSONAL LIABILITY - Neither the Director nor any other officer or authorized employee of the Department shall be personally responsible for any liability arising under the contract.

7.8 LABOR AND COMPENSATION REQUIREMENTS - Wages paid each laborer employed by the Contractor or any subcontractor shall not be less than the prevailing minimum wage rate prescribed by law.

Every laborer employed by the Contractor or any subcontractor whose rate of compensation is Five Dollars (\$5.00) or less per day shall be paid his wages weekly pursuant to Section 103-54, H.R.S.

The Contractor's attention is directed to Chapter 377, H.R.S., Hawaii Employment Relations Act; Chapter 378, H.R.S., Employment Practices; Chapter 383, H.R.S., Hawaii Employment Security Law; Chapter 386, H.R.S., Workers' Compensation Law; Chapter 387, H.R.S., Wage and Hour Law; Chapter 392, H.R.S., Temporary Disability Insurance; Chapter 393, H.R.S., Prepared Health Care Act; Chapter 396, H.R.S., Occupational Safety and Health; and Section 103-55, H.R.S., Wages, Hours, Working Conditions of Employees of Contractor's Supplying Services.

7.9 INSURANCE - Prior to commencing with the work, the Contractor shall, at its own expense, obtain and submit to the Department, Certificate of Insurance from an insurance company authorized by the laws of the State to issue such insurance in the State of Hawaii showing full policy coverage of the Contractor.

TYPES OF INSURANCE:

A. Workers' Compensation:

The Contractor shall obtain worker's compensation insurance for all persons whom they employ in carrying out the work under this contract. This insurance shall be in strict conformity with the requirements of the most current and applicable State of Hawaii Worker's Compensation Insurance laws in effect on the date of the execution of this contract and as modified during the duration of the contract. The minimum limit of liability for workers compensation is the HRS 386 statutory limit.

B. Comprehensive Automobile Liability:

The Contractor shall obtain Auto Liability Insurance covering all owned, non-owned and hired autos with a combined single Limit of not less than \$1,000,000 per accident for bodily injury and property damage with the State of Hawaii named as additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess

policies.

C. Commercial General Liability:

The Contractor shall obtain General Liability insurance with a limit of not less than \$1,000,000 per occurrence and in the aggregates. The General liability insurance shall include the State of Hawaii as an additional insured. The required limit of insurance may be provided by a single policy or with a combination of primary and excess policies.

All policies must provide that 30 days prior written notice of cancellation or material change in coverage be given to certificate holders stated above.

Such insurance when accepted by the Director in writing shall become applicable and shall remain unmodified throughout the entire term of the contract and in no event shall be terminated or otherwise allowed to lapse prior to written certification of final acceptance of the work by the State. Such insurance aforementioned shall cover the State for all work performed under the contract, all work performed incidental thereto or directly or indirectly connected therewith, including other work performed outside of the work area, and all change orders.

Any delay in the submission and approval of insurance certificates shall not be justification of or grounds for a request by the Contractor postponing the issuance of a notice to proceed notwithstanding the fact that the Contractor shall not be allowed to proceed with the work until said certificates are submitted and approved.

Failure to obtain insurance in accordance with the Section, on the part of the Contractor, shall be considered a major breach of the contract; and should the State be forced to expend funds which would have been covered under the insurance, the Contractor agrees to assume the liability for such funds and to indemnify and hold the State harmless.



## SECTION 8 - PROSECUTION AND PROGRESS

8.1 NOTICE TO PROCEED - A "Notice to Proceed" letter will be written to the Contractor by the Director. Such letter will indicate the date the Contractor is to begin work and from which date the contract time will commence to run.

The Contractor shall diligently perform the required duties during the term of the contract, or if the work is to be completed within a specified time limit, the Contractor shall diligently prosecute the work to completion within the specified time limit.

8.2 SUBCONTRACTING - The Contractor shall give its personal attention to the fulfillment of the contract and shall keep the work under its control.

Subject to Section 103D-302, H.R.S., the Contractor may subcontract a portion of the work pursuant to the provisions of this section, but the Contractor shall be primarily responsible for the work so subcontracted. The Contractor shall not subcontract any work to any subcontractor who has been suspended by the State.

Before any work is started under a subcontract, the Contractor shall have the written approval of the Director on a written statement on forms furnished by the Department, indicating the work to be subcontracted, the names of the subcontractors and the description of each portion of the work to be so subcontracted and showing that the subcontractors are particularly experienced and equipped to do the work subcontracted. The Contractor shall give assurance that the minimum wage rate schedule as stated in the contract shall apply to labor performed on the work so subcontracted. Consent of the Director to the subcontracting of work shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the contract.

When any portion of the work which has been subcontracted by the Contractor is not prosecuted in a manner satisfactory to the Director, the Contractor, upon receipt of a notice thereof in writing from the Director, shall remove the subcontractor immediately from the project and the subcontractor shall not again be employed on the work.

8.3 ASSIGNMENT OF CONTRACT - The performance of the contract may be assigned only with the prior written consent of the Director and when applicable, the Contractor's surety. Consent to any assignment shall not relieve the Contractor or the Contractor's surety of any obligations of the contract.

8.4 INSUBORDINATION - If any subcontractor or person employed by the Contractor shall fail or refuse to carry out the directions of the Director or shall appear to the Director to be incompetent or to act in a disorderly or improper manner, the subcontractor or person shall be removed immediately upon request by the Director and shall not again be employed on the work, nor shall it be employed upon any other Department project currently under contract to the same Contractor or subcontractor.

8.5 TEMPORARY SUSPENSION OF WORK

A. Order to stop work. The Director, may, by written order to the contractor, at any time, and without notice to any surety, require the contractor to stop all or any part of the work called for by this contract. This order shall be for a specified period not exceeding sixty (60) days after the order is delivered to the contractor, unless the parties agree to any further period. Any such order shall be identified specifically as a stop work order issued pursuant to this section. Upon receipt of such an order, the contractor shall forthwith comply with its terms and take all reasonable steps to minimize the occurrence of costs allocable to the work covered by the order during the period of work stoppage. Before the stop work order expires, or within any further period to which the parties shall have agreed, the Director shall either:

1. Cancel the stop work order; or
2. Terminate the work covered by such order as provided in the "termination for default clause" or the "termination for convenience clause" of this contract.

B. Cancellation or expiration of the order. If a stop work order issued under this section is canceled or if the period of the order or any extension thereof expires, the contractor shall have the right to resume work. An appropriate adjustment shall be made in the delivery schedule or contract price, or both, and the contract shall be modified in writing accordingly; if:

1. The stop work order results in an increase in the time required for, or in the contractor's cost properly allocable to, the performance of any part of this contract; and
2. The contractor asserts a claim for such an adjustment within thirty (30) days after the end of the period of work stoppage; provided that, if the Director decides that the facts justify such

action, any such claim asserted may be received and acted upon at any time prior to final payment under this contract.

C. Termination of stopped work. If a stop work order is not canceled and the work covered by such order is terminated for default or convenience, the reasonable costs resulting from the stop work order shall be allowable by adjustment or otherwise.

D. Adjustment of price. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract.

8.6 LIQUIDATED DAMAGES - It is mutually understood and agreed by and between the parties to the contract that the performance by the Contractor of its duties every calendar/working day is an essential part of the contract and in case of failure on the part of the Contractor to perform its duties for the time specified in the contract, the State will be damaged thereby and the amounts of said damages being difficult, if not impossible of definite ascertainment and proof, shall be estimated, agreed upon and fixed at the sum shown in the proposal for each and every calendar/working day that the Contractor fails to perform its duties during the period the contract is in effect; and the Contractor shall pay the liquidated damages as provided for in the proposal and, in case the same are not paid, the Department may deduct the amount thereof from any monies due or that may become due the Contractor under the contract.

#### 8.7 DEFAULT AND TERMINATION OF CONTRACT

A. Termination by Default. If the contractor refuses or fails to perform any of the provisions of this contract with such diligence as will ensure its completion within the time specified in this contract, or any extension thereof, otherwise fails to timely satisfy the contract provisions, or commits any other substantial breach of this contract, the Director may notify the contractor in writing of the delay or non-performance and if not cured in ten (10) days or any longer time specified in writing by the Director, such officer may terminate the contractor's right to proceed with the contract or such part of the contract as to which there has been delay or a failure to properly perform. In the event of termination in whole or in part the Director may procure similar goods or services in the manner and upon terms deemed appropriate by the Director. The contractor shall continue performance of the contract to the extent it is not terminated and shall be liable for excess costs incurred in procuring

similar goods or services.

1. Contractor's duties. Notwithstanding termination of the contract and subject to any directions from the Director, the contractor shall take timely, reasonable, and necessary action to protect and preserve property in the possession of the contractor in which the State or county has an interest.

2. Compensation. Payment for completed goods delivered and accepted by the State shall be at the contract price. Payment for the protection and preservation of property shall be in an amount agreed upon by the contractor and Director; if the parties fail to agree, the Director shall set an amount subject to the contractor's rights under chapter 3-126, HAR. The State may withhold from amounts due the contractor such sums as the Director deems to be necessary to protect the State against loss because of outstanding liens or claims of former lien holders and to reimburse the State for the excess costs incurred in procuring similar goods and services.

3. Excuse for nonperformance or delayed performance. Except with respect to defaults of subcontractors, the contractor shall not be in default by reason of any failure in performance of this contract in accordance with its terms, including any failure by the contractor to make progress in the prosecution of the work hereunder which endangers such performance, if the contractor has notified the Director within fifteen (15) days after the cause of the delay and the failure arises out of causes such as: acts of God; acts of the public enemy; acts of the State and any other governmental body in its sovereign or contractual capacity; fires; floods; epidemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; or unusually severe weather. If the failure to perform is caused by the failure of a subcontractor to perform or to make progress, and if such failure arises out of causes similar to those set forth above, the contractor shall not be deemed to be in default, unless the goods or services to be furnished by the subcontractor were unreasonably obtained from other sources in sufficient time to permit the contractor to meet the contract requirements. Upon request of the contractor, the Director shall ascertain the facts and extent of such failure, and if such officer determines that any failure to perform was

occasioned by any one or more of the excusable causes, and that, but for the excusable cause, the contractor's progress and performance would have met the terms of the contract, the delivery schedule shall be revised accordingly, subject to the rights of the State under the clause entitled "Termination for Convenience". As used in this paragraph of this clause, the term "subcontractor" means subcontractor at any tier.

4. Erroneous termination for default. If, after notice of termination of the contractor's right to proceed under the provisions of this clause, it is determined for any reason that the contractor was not in default under the provisions of the clause, or that the delay was excusable under the provisions of paragraph 3 above, Excuse for nonperformance or delayed performance of this clause, the rights and obligations of the parties shall, if the contract contains a clause providing for termination for convenience of the State, be the same as if the notice of termination had been issued pursuant to such clause.

5. Additional rights and remedies. The rights and remedies provided in this clause are in addition to any other rights and remedies provided by law or under this contract.

B. Termination for convenience. The Director may, when the interests of the State so require, terminate this contract in whole or in part, for the convenience of the State. The Director shall give written notice of the termination to the contractor specifying the part of the contract terminated and when termination becomes effective.

1. Contractor's obligation. The contractor shall incur no further obligations in connection with the terminated work and on the dates set in the notice of termination the contractor will stop work to the extent specified. The contractor shall also terminate outstanding orders and subcontracts as they relate to the terminated work. The contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated work. The Director may direct the contractor to assign the contractor's right, title, and interest under terminated orders or subcontracts to the State. The contractor must still complete the work not terminated by the notice of termination and may incur obligations as are necessary to do so.

2. Right to goods. The Director may require the contractor to transfer title and deliver to the State in the manner and to the extent directed by the Director:

- a. Any completed goods; and
- b. The partially completed goods and materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights hereinafter called "manufacturing material," as the contractor has specifically produced or specially acquired for the performance of the terminated part of this contract.

The Contractor shall, upon direction of the Director, protect and preserve property in the possession of the contractor in which the State has an interest. If the Director does not exercise this right, the contractor shall use the Contractor's best efforts to sell such goods and manufacturing materials. Use of this section in no way implies that the State has breached the contract by exercise of the termination for convenience clause.

3. Compensation:

- a. The Contractor shall submit a termination claim specifying the amounts due because of the termination for convenience together with cost or pricing data to the extent required by subchapter 15, chapter 3-122, HAR, bearing on such claim. If the Contractor fails to file a termination claim within one (1) year from the effective date of termination, the Director may pay the Contractor, if at all, an amount set in accordance with subparagraph c. below.
- b. The Director and the Contractor may agree to settlement provided the Contractor has filed a termination claim supported by cost or pricing data to the extent required by subchapter 15, chapter 3-122, HAR, and that the settlement does not exceed the total contract price plus settlement costs reduced by payments previously made by the State, the proceeds of any sales of goods and manufacturing materials under paragraph (2) of this clause, and the contract price of the work not terminated.

c. Absent complete agreement under subparagraph b above, the Director shall pay the Contractor the following amounts, provided payments agreed to under subparagraph b shall not duplicate payments under this subparagraph for the following:

(i) Contract prices for goods or services accepted under the contract;

(ii) Costs incurred in preparing to perform and performing the terminated portion of the work plus a fair and reasonable profit on such portion of the work, such profit shall not include anticipatory profit or consequential damages, less amounts paid or to be paid for accepted goods or services; provided that if it appears that the Contractor would have sustained a loss if the entire contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;

(iii) Costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to paragraph 1 of this clause. These costs must not include costs paid in accordance with subparagraph (ii) above.

(iv) The reasonable settlement costs of the Contractor including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the contract and for the termination of subcontracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of property allocable to the terminated portion of this contract. The total sum to be paid the Contractor under this subparagraph shall not exceed the total contract price plus the reasonable settlement cost of the Contractor reduced by the amount of payments otherwise made, the proceeds of any sales of supplies and manufacturing materials under subparagraph b of this paragraph, and the contract price of work not terminated.

d. Cost claimed, agreed to, or established under subparagraphs b and c shall be in accordance with chapter 3-123, HAR. bearing on such claim.

8.8 FINAL INSPECTION - Upon notice from the Contractor of the completion of the work or contract, the Director shall make an inspection. If the contract is found completed to the Director's satisfaction, such inspection shall constitute the final inspection and acceptance of the work.

If the work is unsatisfactory in whole or in part, the Director shall notify the Contractor of the work necessary for final completion and acceptance and the Contractor shall forthwith perform the work required by the Director. Upon performance of such required work by the Contractor, another inspection shall be made which shall constitute the final inspection if the work is completed satisfactorily.

Within ten (10) days after final inspection and acceptance of the work, or as soon thereafter as is practicable, the Contractor shall be notified by the Director in writing of such acceptance.

8.9 TERMINATION OF CONTRACTOR'S RESPONSIBILITY - The contract will be considered complete when all work has been completed, the final inspection made, the work accepted by the Director, and the final estimate paid. The Contractor will then be released from further obligation except as set forth in the contract and bond, when applicable.





## SECTION 9 - PAYMENT

9.1 SCOPE OF PAYMENT - The Contractor's bid price shall be inclusive of all costs, direct or indirect, including all taxes, required for the fulfillment of the contract.

Contract payments to the Contractor by the State shall be full payment for the furnishing of all labor, tools, equipment, and other incidentals, including all taxes, necessary for performing all work and services contemplated and embraced under the contract.

9.2 RETAINAGE/DEDUCTION FROM PAYMENT - The Director may at any time retain or deduct out of any sums due the Contractor to cover claims of the State against the Contractor, or such sums sufficient to cover any unpaid claims of others supported by sworn statements filed in the office of the Director, without any liability for damages, interest or otherwise to the Contractor for such retention or deduction.

Provided the work of the Contractor is progressing satisfactorily in the judgment of the Director and in accordance with the provisions of this contract, monthly payments, less five percent (5%), will be made to the Contractor. The amount of such monthly payments shall be determined by the Director based on the Director's estimate of the items of work performed and materials incorporated in the work and the value therefor at the unit prices or lump sum prices set forth in the contract. All monthly payments are shall be subject to correction at any time prior to or in the final payment.

At any time after fifty per cent (50%) of the work has been completed, if the State determines that the work contracted to be performed is progressing satisfactorily, the State may make any of the remaining monthly payments in full.

If the Director finds that unsatisfactory progress is being made, the State may, from the beginning of such unsatisfactory progress, withhold any amount up to five per cent (5%) of any subsequent monthly payment.

9.3 ASSIGNMENT OF PAYMENTS - All monies payable under the contract, or any part thereof, shall be paid to the Contractor in accordance with the provisions of this Section and no assignment or order executed by the Contractor directing payment of any portion or all of such funds to any other person or persons shall be recognized by the State unless such assignment or order specifies the amounts to be so paid and the purposes for which the assignment or order is given. Such assignment or order shall have attached thereto, by endorsement or otherwise, the consent of the surety, when

applicable. No such assignment or order shall be binding on the State.

Any assignment of money shall, however, be subject to all proper set-offs in favor of the State, to all deductions provided for in the contract and to all liens and rights conferred by law on the State. All money withheld, whether assigned or not, shall be subject to being used by the State for the completion of the work in the event of the Contractor's default.

9.4 PROGRESS PAYMENTS - Payments under this contract shall be made only upon submission by the Contractor of an original invoice and 2 copies. The invoice shall specify the amount due less retainage and shall also certify that services requested under the contract have been performed by the Contractor according to the contract.

9.5 FINAL PAYMENT - Final payment will only be made after the Contractor receives final acceptance by the Director as provided in Section 8.8, and until the Contractor has filed with the Department the following:

A. Consent of the surety, when applicable, to payment of the final estimate;

B. Satisfactory evidence by affidavit that all debts resulting from the contract have been fully paid or satisfactorily secured;

C. A current "Certificate of Vendor Compliance" issued by the Hawaii Compliance Express (HCE). The Certificate of Vendor Compliance is used to certify the Contractor's compliance with (a) Section 103D-328, HRS (for all contracts \$25,000 or more) which requires a current tax clearance certificate issued by the Hawaii State Department of Taxation and the Internal Revenue Service; (b) Chapters 383, 386, 392, and 393, HRS; and (c) Subsection 103D-310(c), HRS. The State reserves the right to verify that compliance is current prior to the issuance of final payment. Contractors are advised that non-compliance status will result in final payment being withheld until compliance is attained.

The filing of willfully false affidavits will disqualify the Contractor from bidding on future work of the Department.



## SECTION 10. - MAINTENANCE OF EQUIPMENT AND SYSTEMS

10.01 GENERAL - The Contractor shall furnish all labor, supervision, equipment, materials, supplies and incidentals necessary to perform tasks related periodic maintenance to meet the operational availability of the listed equipment and systems identified herein as required for the Emergency Power Facility of the Daniel K. Inouye International Airport, Honolulu, Oahu, Hawaii. The Contractor is also required to respond to trouble calls as specified in Paragraph 10.7 Service Hours and Trouble Calls, per these specifications. This service shall be accomplished using skilled and trained personnel, who shall regularly and systematically examine, monitor and maintain the types of systems and equipment identified herein.

### 10.02 PERSONNEL SKILLS AND QUALIFICATIONS

#### A. Contractor Qualification

1. Contractor License Qualifications - At the time of bidding, the contractor shall have a valid State of Hawaii "C-13" Electrical Contractor or "C-63" High Voltage Electrical Contractor's license.
2. The Contractor shall have a minimum of five (5) years of experience (immediately prior to the bid opening date) working on similar high voltage (more than 600 volts phase-to-phase) electrical equipment performing maintenance and incidental repair services.
3. The Contractor shall have all specialized test equipment necessary to perform all of the maintenance procedures specified in this document at the time he submits his proposal. Non-possession of these specialized pieces of test equipment shall be considered "prima facie" evidence that the Contractor does not have the recent experience required under Paragraph 10.02 A.1.
4. Be familiar with installation, operation, and maintenance of diesel generator sets operating in parallel, along with ventilation, engine exhaust and fueling systems required for generator set operations.
5. Be familiar with installation, operation, and maintenance of DC power supplies and uninterruptible power supplies (UPS) required to energize critical systems and equipment in the event of a utility power outage.
6. Be familiar with supervisory control and data acquisition

(SCADA) systems and miscellaneous control and interface systems to monitor, operate, and deliver normal utility power and emergency generator power under varying scenarios of Airport and Hawaiian Electric Company utility grid operations.

7. Employ staff or retain subcontractors necessary to perform maintenance upon building which are considered as incidental to the maintenance of the emergency\_generators and related supporting systems and equipment including, but not limited to, HVAC, cranes/hoists, and oil/water separators.

#### B. Personnel Qualifications

1. Employees assigned to this project shall be current electrician journeyman license and a minimum of two (2) consecutive years of experience (immediately prior to the bid opening date) working on similar electrical equipment performing maintenance and incidental repair services. Employees assigned to this project shall be factory trained to perform maintenance and testing services on the electrical equipment listed in these specifications.
2. Employees assigned to this project shall have a minimum of two (2) consecutive years of experience (immediately prior to bid opening date) working on diesel generator sets operating in parallel configurations performing maintenance and incidental repair services.
3. Employees assigned to this project shall possess arc-flash and electrical training certificates. The training shall be in accordance with OSHA, HIOSH, and NFPA 70E, 2015.
4. Employees, including subcontractor personnel, assigned to this project shall possess factory training and certification to operate and maintain systems and equipment being maintained listed in these specifications.

#### C. Availability

1. The Contractor shall furnish the State with telephone numbers of the place of business where a service technician can be called by the Director or a designate, every calendar day of the year to perform work under this contract.
2. Personnel assigned to this job shall be available to respond to trouble calls within the parameters of these specifications.

All prospective bidders must be able to produce documented maintenance experience records to substantiate their claim of experience as indicated in Paragraphs 10.02.A.1, 10.2.B.1, and 10.02.B.2 hereinabove.

Falsification of personnel qualification shall constitute a major breach of this contract.

#### 10.03 VEHICLE REQUIREMENTS

- A. All vehicles shall be in good condition and appearance. Reference Special Provision paragraph 7.10.
- B. Shall meet all State licensing and registration and safety requirements and shall be equipped properly in accordance with City, State, Federal and OSHA requirements.
- C. The Contractor shall obtain insurance coverages as specified by Section 7.9, Insurance of the Specifications.

10.04 WORK SCHEDULE - The Contractor shall perform inspection and maintenance services on systems and equipment which have been installed for the Emergency Power Facility at the Daniel K. Inouye International Airport and described in this section, all in accordance with applicable industry practices and standards as required to provide assurance of safety and operational reliability.

Emergency Power Facility systems and equipment shall be serviced during normal working days, between 6:45 a.m. and 3:15 p.m., Monday through Friday and shall be coordinated with the Engineer resulting in the least disruption of normal Emergency Power Facility operations. Normally energized power transformers and circuit breakers shall be service between the hours of 6:45 a.m. and 3:15 p.m.

#### 10.05 COORDINATION OF WORK

- A. All work under this contract shall be coordinated with the Airports Division Engineer or a duly authorized representative.
- B. Schedule all required systems, equipment, and power outages with Code 22, Airports Division Engineer or his duly authorized representative, as well as with Hawaiian Electric Company.
- C. The Contractor, including his subcontractors and vendors, is required to sign in and out at the airport security office daily whenever it performs any work under this contract. Any work which is not properly documented and certified by an authorized State representative will not be compensated by the

State.

- D. Due to the critical function of the Emergency Power Facility to provide power for Airport operations and Hawaiian Electric Company utility grid, both Code 22 for the Airport and/or Hawaiian Electric Company shall retain the right to require the Contractor to suspend, defer, or cancel maintenance and incidental repair activities which had been previously authorized. In such an event, the Contractor is obligated to expedite restoration of and maximize the availability of systems and equipment within the Emergency Power Facility to provide power to the Airport or the Hawaiian Electric Company utility grid.

10.06 SCOPE OF WORK - The Contractor shall provide all labor, supervision, equipment, materials, supplies and incidentals necessary to perform the recommended periodic maintenance tasks required in Appendices A and B and provide corrective maintenance to meet the operational availability for the list of systems and equipment in paragraph 10.06E as required for the Emergency Power Facility at the Daniel K. Inouye International Airport. The Contractor is required to respond to trouble calls as specified in Paragraph 10.07, Service Hours and Trouble Calls.

The Contractor shall label all equipment inspected, record all malfunctions and corrective actions taken on the equipment in performing its work under this contract and shall provide the Department with the serviceperson's certified record together with tasks completed by them, the date, hours and time, at the end of each working day.

- A. Maintenance Tasks shall be performed on normal working days as coordinated with the Engineer. Any shut down of equipment necessary for servicing shall be coordinated with the Airports Division Engineer, as well as with Hawaiian Electric Company.
- B. A Lock-Out/Tag-Out Procedure will be enforced to ensure that any component in incidental repair is isolated and locked out of service (both physically secured and locked out from the control system (ASCADA, BSCADA, or master engine control systems).
- C. Weekly Maintenance, not exceeding a maximum of 7 calendar days between maintenance, to the Emergency Power Facility to conduct a walk-through to survey the overall condition of the facility, including checking the SCADA systems and master engine control systems to confirm normal operations, and to check for trouble or alarm notifications that require attention. A visual survey and completion of a weekly



checklist to confirm that the equipment and building facility support systems are in order, with no apparent leaks, unusual sounds or odors, and that all liquid levels (fuel tanks, day tanks, lube oil, coolant, containment berm and oil separator levels) and all battery charge levels (generator, switchgear, and UPS batteries) are normal.

D. Periodic Maintenance Procedures prescribed by the vendors of equipment and systems existing within the EPF contained within Operations and Maintenance documentation for any weekly or longer interval described in Appendix A are to be performed by the Contractor unless explicitly annotated otherwise within Appendix A. All periodic maintenance procedures prescribed for intervals less than a weekly basis per Appendix A shall be performed at the time of the weekly maintenance required by paragraph 10.06C.

E. Equipment and Systems Within the EPF Requiring Maintenance Services Under This Contract:

1. Four (4) Caterpillar 3S16C-HO diesel generators, total net output at continuous prime power rating of 8,000 kW (2,000 kW per unit prime power rating; 2,500 kW per unit standby rating), including all generator modifications for HECO Dispatchable Standby Generation (DSG) operations
2. Generator Switchgear Equipment
3. Generator Protection Equipment
4. Generator Master Control System and Interface Equipment
5. Double-ended primary unit substation, including primary metering switchgear, substation transformers, and 600 volt secondary distribution switchgear
6. 225 kVA dry type transformer and the 800 ampere distribution panel "DG20DP" it supplies
7. Building Management System and Interface Equipment (BSCADA)
8. HVAC Systems, including ACCU's, Fan Coil Units, Intake (Supply) Fans and Exhaust Fans
9. Fuel System, including two 52,000 gallon fuel storage tanks, piping, pumps, meter, fuel polishing, and associated equipment
10. Monitoring/control cables, conduits, and equipment between EPF and State SCADA system (ASCADA) - only

weekly verification system remains online and cable communications loop maintains continuity as determined thru use of the ASCADA workstation within the EPF

11. Monitoring/control cables, conduits, and equipment within EPF for Building SCADA system (BSCADA) - only weekly verification system remains online and cable communications loop maintains continuity as determined thru use of the BSCADA workstation within the EPF

12. Inter-tie Protection Relays

13. Engine Exhaust Stacks

14. DSG EPF Interconnection Equipment (including circuit breakers, relays, switches, synchronizing equipment, monitoring equipment, inter-tie links, and control and protective devices and schemes)

15. UPS System

16. DC Power Supplies, including battery sets - for starting of generator sets and for switchgear control power circuits

17. Weight Handling Equipment

18. Telecom/Data Systems

F. All equipment and systems associated with the production of emergency power (generator sets, engine exhaust, radiators, air intake and exhaust, fueling, paralleling and control) shall be assumed to be in use for 1500 prime power delivery hours per year. Preventative maintenance procedures required by this Contract to be based upon 1500 annual runtime hours. Any recommended maintenance procedures required more frequently than an annual basis because of runtime hours shall be performed without additional compensation. Preventative maintenance procedures associated with 1500 runtime hours must be performed annually regardless of actual runtime hours, at the end of the one year contract duration, unless already having been required to be performed during the course of the year, without additional compensation.

G. The diesel generator sets within the Emergency Power Facility will continue to use biodiesel fuels throughout the term of this maintenance agreement. As biodiesel fuels can vary widely and interact differently with engine lubricating oils depending upon the specific chemistry of the biodiesel fuel product in use, there will be a need to assess any trends relating to accelerated degradation of engine lubricating oils. As a result, engine lubricating oil samples must be taken and analyzed regularly as

an integral part of preventative maintenance procedures.

- a. One each engine lubricating oil sample is required for every 50 operating hours of each diesel generator set, except that no sample is required at the time of an engine lubricating oil change.
  - b. Each oil sample must be analyzed by a recognized laboratory for chemical characteristics as recommended by the diesel generator set manufacturer. Test reports are to be provided to the Department of Transportation Airports Division.
  - c. If deemed necessary by the diesel generator set manufacturer, recommendations for changes to preventative maintenance procedures which increase the frequency of maintenance tasks shall be documented and reported to the Department of Transportation Airports Division for consideration.
  - d. Should the Department of Transportation Airports Division decide to increase the frequency of maintenance tasks as a result of oil sample test results and manufacturer recommendations, the additional work shall be considered Trouble Calls and be governed by provisions of paragraph 10.07.
- H. All maintenance tasks described herein above shall be performed during normal working days between 6:45 a.m. and 3:15 p.m. If any maintenance task is scheduled for other than normal working hours by the State, the Contractor shall be compensated for any additional costs incurred.
- I. All work performed by the Contractor shall be subject to random periodic inspection and approval by representatives of the Airports Division, State of Hawaii. All deficiencies shall be corrected at no additional cost to the State.

#### 10.07 SERVICE HOURS AND TROUBLE CALLS

- A. All Trouble or Alarm Notifications and/or Maintenance Issues noted from the weekly survey or from the State will be addressed and resolved including the replacement of parts, in a timely manner.
- B. Response Time - The Contractor shall be responsible to respond to any critical issues that affect the reliability and operation of the EPF within 1 hour.
- C. Regular Working Hours Trouble Call - The term "regular working hours" as used in these specifications shall mean 6:45 a.m. to 3:15 p.m., Monday through Friday, State holidays excepted.

In case of failure or malfunction of electrical equipment for

any cause, the Contractor is subject to be called by the State. Should the Contractor be called during regular working hours, it shall respond within one (1) day to the job site.

The trouble calls during regular working hours shall be paid for based on the hourly bid price in the Contractor's proposal multiplied by the time spent at the job site to complete the incidental repair work.

Time spent at the job site to complete the incidental repair work during regular working hours shall be taken to the closest 1/4 of an hour and any fraction of 1/4 of an hour shall be considered a full 1/4 of an hour.

All trouble call tickets during regular working hours shall be certified and signed by an authorized representative of the Director in order for the Contractor to receive payment, therefore.

Except as noted in Paragraph 10.08, Replacement of Parts herein below, the hourly bid price shall include all labor, materials, equipment, overhead, insurance, taxes, and all other incidentals necessary to complete the incidental repair work. Trouble calls during regular working hours shall be paid by Bid Item No. 14 of the Proposal Schedule.

- D. Off Hours Trouble Calls - The term "off-hours" as used in these specifications shall mean 12:01 a.m. to 6:45 a.m. and 3:15 p.m. to midnight, Monday through Friday, all hours on Saturdays, Sundays, and State holidays.

If the Contractor is called by the State during off-hours to perform incidental repair work, the Contractor shall respond within 1 hour to the job site. The off-hours hourly rate of pay shall be based on the hourly bid rate of the Contractor's proposal for regular working hours trouble calls plus 50% of the Contractor's hourly bid rate. Except as noted in Section 10.9, Replacement of Parts, herein below, such off-hours hourly rate of pay shall include all labor, materials and equipment, overhead, insurance taxes and other incidentals necessary to complete the incidental repair work.

Time spent at the job site to complete the incidental repair work during off-hours shall be taken to the closest 1/4 of an hour and any fraction of 1/4 of an hour shall be considered a full 1/4 of an hour. In any event, the Contractor shall receive a minimum of one (1) hour pay even

if the incidental repair work is completed in less than one (1) hour. The Contractor shall secure the authorization from an authorized representative of the Director for any incidental repair work in excess of two (2) hours during off-hours.

All off-hour trouble call tickets shall be certified and signed by an authorized representative of the Director in order for the Contractor to receive payment, therefore.

Incidental repair work initiated during off-hours and finished during regular working hours shall be paid accordingly. That is, off-hours hourly rate shall only apply to incidental repair work performed during off-hours, and regular working hours hourly rate shall apply for incidental repair work performed during regular working hours.

- E. General - The number of personnel used to perform incidental repair work on trouble calls by the Contractor shall be fully justified and approved by the Director or an authorized representative of the Director.

The Contractor shall furnish the State with telephone numbers through which the Contractor can be called by the State 24 hours a day, every day of the week.

The Contractor shall present its trouble call tickets to an authorized State representative for certification at the end of each day or each job, whichever is earlier. The trouble call ticket shall include all chargeable time, material, and equipment used.

When the incidental repair work becomes extensive (estimated to be in excess of \$1000 by the State), the State reserves the right to solicit competitive bids and have the incidental repair work done by the lowest bidder.

10.08 REPLACEMENT OF PARTS - Replacement parts are defined as parts unrelated to routine maintenance procedures required by these specifications.

- A. Emergency incidental repairs required to maintain the operational capabilities of the EPF will be considered trouble calls unless they are related to routine periodic maintenance requirements identified in Appendix A which have not been accumulated at least 50% of the recommended interval between service - in which case they will be considered a part of the basic services performed under this contract.
- B. If replacement parts are required on any trouble call, or the replacement of parts is not covered under any specific provisions of this contract, the Contractor shall be reimbursed for the cost of the new parts excluding taxes, including shipping charges, plus 25% for overhead, profit, taxes, and other incidental expenses. The Contractor shall substantiate

its charges by submitting original billing as required by the State. The Contractor shall submit a list of parts ordered and not received within 30 days and explain in writing what parts are not received, on the last day of each month. The Contractor shall be reimbursed for the cost of the replacement parts by appropriate Bid Item in the Proposal Schedule. The Contractor will not be reimbursed for parts associated with routine maintenance procedures included in the scope of work.

- C. The Airport may elect to stock a spare parts inventory for long-lead and critical components used within the EPF. The Contractor will be allowed to draw from this spare parts inventory to perform all required work, but must restore the spare parts inventory completely by the end and yearly anniversary date of the contract duration. Where long-lead items have been used, the Contractor shall initiate re-supply procurement procedures immediately upon use. If the Contractor uses items from the spare parts inventory necessary for periodic maintenance procedures, he will not be entitled to further compensation for product use. All other parts used for trouble call incidental repairs will be compensated per trouble call claim procedures. A listing of the DOT-A spare parts inventory and location, annotated to identify long-lead items, will be made available to the Contractor at the time a Notice to Proceed for this contract is issued.

10.09 ADVISORY SERVICES AND SUBCONTRACTORS - All advisory services by a foreperson of any other Contractor's personnel to the mechanics in performing their work shall be considered as incidental costs to the Contractor and included in the Contractor's hourly bid rate for regular working hours trouble calls. No separate payment shall be made, therefore.

All specifications and hourly bid rates for incidental repair work under this contract shall be applicable to electrical, sheet metal, machinist, mechanics, controls, chemical, insulation, and other subcontractor(s) should their services be required.

10.10 CONTRACT TERM - The term of this contract shall be for a three (3) year period beginning from the date indicated in the Notice to Proceed from the State.

The Contractor is advised that the initial contract will only be funded for year one. Years two and three will be amended as additional funding becomes available, and only after a contract amendment has been executed. The Contract amount for years two and three shall be the same amount as year one, with no price escalations.

The Contractor is advised that the State is only able to fund the contract for one year at a time. Inasmuch as this contract calls for payment by the State in more than one fiscal year, it is understood that the State Comptroller is not permitted under Section 103D-309, Hawaii Revised Statutes, to certify to that portion of the total funds that is currently available as may be allocated to satisfy State's obligations for periodic payments in future fiscal periods. It is strictly understood that this contract is enforceable only to the extent that funds have been certified as available and is contingent upon future legislative appropriations or special fund revenues. It is therefore the intent of this contract that the State will be amending this contract for additional funds for each one-year period.

The State, in accordance with the General Conditions, will have the right to terminate the Contract at any time and will be under no obligations nor does it guaranty that the Contract will be fully funded for the entire three years. The Contractor will not make any claims against the State for anticipated profits or damages, either tort or for breach of contract.

10.11 INSPECTION AND CORRECTION OF DEFECTS - All materials furnished and services performed by the Contractor under this contract shall be subject to inspection and test by the Director to the extent practicable at all times (including the period of performance) and places, and in any event prior to the acceptance. All inspections and tests required by the Director shall be performed in such a manner that will not unduly delay or interrupt the Contractor's work.

At any time during the performance of this contract, but no later than six months after acceptance of the services or materials incorporated in accordance with the requirements of this contract, the Director may require the Contractor to remedy by correction or replacement, any services or materials which have failed to comply with the requirements of this contract.

10.12 EQUIPMENT AND SYSTEMS DATA - Construction plans for equipment installed at the Daniel K. Inouye International Airport may be examined at the Airports Division located on the 400 Rodgers Blvd., suite 700. Limited manufacturer's catalog cuts and maintenance manuals are available for review by the Contractor.

10.13 REPORTS:

A. Contractor shall maintain a maintenance log that documents all operating parameters, equipment condition issues, and services

performed, all preventative maintenance and inspection reports that have been performed and shall issue a copy of all reports to HECO and the DOT-A once every year at the end of the contract term.

- B. Two (2) copies of a typewritten reports shall be submitted within twenty (20) days of completing all fieldwork. The report shall include but not be limited to (a) and inventory of all equipment serviced, (b) malfunctions and deviations from norm detected, (c) corrective actions taken if any, (d) deviations of equipment inventory (field vs. specifications), (e) recommendations on maintenance tasks and project specifications, (f) evaluation of the status of individual components and or systems, and (g) estimated cost for any recommended additional work.

10.14 WARRANTY - There shall be a full thirty (30) day labor warranty on all items of equipment serviced by the Contractor, which period shall commence upon completion and acceptance of the final report (Paragraph 10.14). All corrective work done during this period shall be at the Contractor's own expense.

10.15 SAFETY AND PROTECTION - The majority of the maintenance work is in and around transformer stations, diesel generator sets, switchgear, and other energized electrical equipment and heavy machinery.

- A. Contractor personnel shall exercise due care in performing any work on the electrical equipment in accordance with NFPA 70E, 2015.
- B. All work shall be performed while the equipment is de-energized unless allowed by NFPA 70E. Energized work permits shall be submitted for approval prior to any work on energized equipment.
- C. Notify the Airport Security Office (herein referred to as the "Control Center"), Code 22, and Hawaiian Electric Company when working on high voltage equipment and/or diesel generator sets and associated accessory systems and equipment.
- D. All methods and practices shall be in accordance with the operator's manuals, National Electrical Code, NFPA 70E (2015), National Electrical Safety Code, Occupational Safety and Health Standards and safety regulations promulgated by other governmental agencies.
- E. While working on this project, all employees shall wear OSHA, approved safety personal protection equipment (PPE), including but not limited to: arc flash protection, goggles, safety shoes, hearing protection, and other equipment as required. Contractor



employees on the job site shall wear clothing with the company name visible on the upper torso. Contractor's employees shall present a neat and clean appearance at all times. Cost of employee's clothing and personal protective equipment (PPE) shall be incidental to the maintenance of electrical equipment and heavy machinery.

10.16 BASIS OF PAYMENT - The contract unit price shall be full compensation for furnishing all technical expertise, labor, materials, tools, equipment, trucks, communication costs, applicable taxes, insurance, overhead, travel and incidental to complete the work as specified herein.

A. Monthly payments to the Contractor will be made on the basis of actual number of services performed and the applicable unit bid prices. For services associated with systems and equipment which are spread out over the course of a year, monthly payments to be based upon 7.5% of the unit price associated with those items. Balance remaining after 12 monthly billing cycles will be made upon receipt of approved Final Reports and Warrantee documentation.

B. Replacement Parts. The Contractor shall be reimbursed for the cost of the new part in accordance with Paragraph 10.08, Replacement Parts of the Specifications.

C. Deductions (as applicable):

1. Retainage - computed as specified in Section 9.2, of the Specifications.

2. Liquidated Damages - computed as specified on in Section 8.6, of the Specifications and as specified on Proposal page PF-1.

D. Monthly payments payable to the Contractor will be the monthly payments in Paragraph 10.17.A above plus applicable Replacement Parts minus applicable Deductions.

Refer to Section 9.4, Progress Payments, of the Specifications, for the required information on invoices.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

APPENDICES

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION

# APPENDIX A



## APPENDIX A. EMERGENCY POWER FACILITY PREVENTIVE MAINTENANCE SERVICE CONTRACT REQUIREMENTS

The Emergency Power Facility Preventive Maintenance Service Contractor shall provide the following preventive maintenance services:

- A) Weekly requirements: Perform inspection and document findings and/or issues observed using “Weekly Checklist” included in Appendix B.
- B) Perform maintenance services identified for systems and equipment at intervals recommended by manufacturers’ literature contained with this Appendix A. All maintenance tasks recommended by manufacturers for less than weekly intervals are to be performed as a part of weekly maintenance services for the purposes of this contract.

Section	Description	Requirements
Appendix A 1.0 Generator Sets	Caterpillar 3500C Generator Sets (Gen 1, 2, 3 & 4)	1.0 Provide weekly site inspections and preventive maintenance based on the service intervals for fuel consumption, service hours, and calendar time in accordance with the Caterpillar Operation and Maintenance Manual SEBU8111-09 and the following additional information: 1.1 Caterpillar Operation and Maintenance Manual SEBU8111-09 1.2 Caterpillar Battery Care Maintenance Guide 1.3 Caterpillar Parts Manual 3516C Generator Set Vol1 1.4 Caterpillar Parts Manual 3516C Generator Set Vol2 1.5 Caterpillar Parts Reference Numbers as Shipped 1.6 Caterpillar Operation and Maintenance Manual – Cat Commercial Diesel Engine Fluids Recommendations 1.7 SENS IQ Technical Manual for EnerGenius IQ Filtered Charger/Rectifier & Battery Check Systems 1.8 Caterpillar Systems Operation and Troubleshooting Testing and Adjusting RENR7902-07 Dec 2009 1.9 Crankcase Mist Collector System (MC-1, MC-2, MC-3, MC-4)
Appendix A 2.0 Generator Engine Exhaust System	Engine Exhaust System (Mufflers and Stacks)	2.0 At minimum, adhere to the minimum maintenance schedule for mufflers and stacks following the preventive maintenance schedule in Section 2.0 and based on the additional Manufacturers’ O & M information below: 2.1 Mufflers 2.2 Stacks
Appendix A 3.0 Generator Radiator Air Intake and Exhaust System	Generator Air Intake and Exhaust System : Intake Louvers/Silencers (DS-1,2,3 &4)/Ductwork, Intake Fans (IF-1, IF-2, IF-3 & IF-4)/Ductwork/ Supply Air Louvers, Radiator Discharge Louvers/Dampers/Discharge Silencers (DS -5,6,7 &8)/Ductwork, Exhaust Louvers	3.0 At minimum, adhere to the minimum maintenance schedule for air intake and exhaust system following the preventive maintenance schedule in Section 3.0 and based on the additional Manufacturers’ O & M information below: 3.1 Intake & Exhaust Louvers/Ductwork 3.2 Intake & Exhaust Silencers 3.3 Intake Fans (IF-1,2,3 & 4): Twin City Axifan Adjustable Blade Vaneaxial Fan Catalog AX300 and Twin City Tubeaxial and Duct Fans Installation Operation, & Maintenance Manual ES-191, and Danvoss VFD’s VLT HVAC Drive FC 100 Instruction Manual. 3.4 Fire Smoke Dampers

Section	Description	Requirements
<p>Appendix A 4.0 Generator Fuel Supply System</p>	<p>Daytank fuel transfer System (Day Tank 1, 2, 3 &amp; 4), and Return Tank EPF Drainage Trench and Sump Pit Fuel Tank Farm (Main Fuel Tanks 2 &amp; 3, Tank Berm, Tanker fueling pad, Fueling pad sump pumps 1 &amp; 2, Berm Sump Pumps 3 &amp; 4, Aboveground Separator, Fuel Tanker Truck Receiving Pump FRP-1, Fuel Supply Triplex Pump Set (FSP-1), fuel supply meter (FM-1) fuel return meter (FM-3) and receiving fuel meter(FM-2), level gages, level alarms, and level switches, and all other 1 interconnecting piping, controls between the tanker truck loading pad, the fuel tank farm/berm and the EPF Daytank Fuel Transfer System. Automatic Fuel Filter System (FF-1), Element Fuel Filter system (FF-2 and 3)</p>	<p>4.0 At minimum, adhere to the minimum maintenance schedule for the generator fuel supply system following the preventive maintenance schedule in Section 4.0 and based on the additional Manufacturers' O &amp; M information below:  4.1 Daytank Fuel Tanks 1,2, 3 &amp; 4 and Return Tank  4.2 Main Fuel Tanks 2 &amp; 3  4.3 Fueling Pad Sump Pumps 1 &amp; 2  4.4 Berm Sump Pumps 3 &amp; 4  4.5 Above Ground Separator  4.6 Fuel Tanker Truck Receiving Pump FRP-1  4.7 Fuel Supply Triplex Pump Set FSP-1  4.8 Fuel Supply Meter FM-1  4.9 Fuel Return Meter FM-3  4.10 Receiving Fuel Meter FM-2  4.11 Automatic Fuel Filter System FF-1  4.12 Element Fuel Filter System FF-2</p>
<p>Appendix A 5.0 HVAC Systems</p>	<p>EPF HVAC Systems: Exhaust Fans EF-5 (Toilet), EF-6 (Storage), EF-7 (Battery Room), EF-8 (Switchgear Room), FCU-1/FCU-2/ACCU-1 (Office/Comm Room), FCU-3/ACCU-3 (Elec Room), BACNET Controls</p>	<p>5.0 At minimum, adhere to the minimum maintenance schedule for the HVAC systems following the preventive maintenance schedule in Section 5.0 and based on the additional Manufacturers' O &amp; M information below:  5.1 Ceiling Mounted Fans EF-5 &amp; EF-6: Cook Gemini Ceiling &amp; Cabinet Fans Installation, Operation , and Maintenance Manual  5.2 Rooftop Exh Fan EF-7: Cook AC/VCR Centrifugal Roof &amp; Wall Exhausters Installation, Operation, and Maintenance Manual  5.3 Switchgear Room Cabinet Fan EF-8: Greenheck Centrifugal Cabinet Fans ModelBCF Installation, Operation, and Maintenance Manual  5.4 FCU-1/FCU-2/ACCU-1 VRV: Daikin Wire Remote Controller Operation Manual; Daikin VRV System Inverter Heat Pump Installation Manual; Daikin System Inverter Air Conditioners Operation Manual; Daikin EDUS 39-606A-N Engineering Data VRV-S Installation of Outdoor Units; Daikin VRV System Air Conditioner Models RXYMQ36MVJU &amp; RXYMQ48MVJU Operation Manual; Daikin VRV-S R410A HeatPump 60 Hz RXYMQ-M Series Service Manual  5.5 FCU-3/ACCU-3: Data Aire DRC-S-538 Wiring Diagram; Data Aire Air Cooled Condensers Installation, Operation , and Maintenance Manual; Data Aire dap4 Operation Manual; Data Aire</p>

Section	Description	Requirements
		dap Quick Start Guide; Data Temp and Modular Data Temp Operation and Maintenance Manual 5.6 BACNET Controls: BACNET DMS502B71 Installation Manual
Appendix A 6.0 Generator Paralleling Switchgear & Controls	Paralleling Switchgear A from Generator Breakers to HECO Airport Substation Neutral Grounding Reactors Generator Master Control System UPS System	6.0 At minimum, adhere to the minimum maintenance schedule for the Generator Paralleling Switchgear and Control systems following the preventive maintenance schedule in Section 6.0 and based on the additional Manufacturers' O & M information below: 6.1 Paralleling Switchgear A 6.2 Neutral Grounding Reactors Manual 6.3 Intentionally left blank 6.4 UPS System Operating Manual 6.5 OPLC Installation Guide
Appendix A 7.0 BSCADA System	BSCADA System, and various field sensors and devices	7.0 At minimum, adhere to the minimum maintenance schedule for the BSADA system following the preventive maintenance schedule in Section 7.0 and based on the additional Manufacturers' O & M information below: 7.1 HP ProLiant DL380p Gen8 Server Maintenance and Service Guide; HP DL380p Server Guide 7.2 MOXA Power Transfer Switch PT-7838 User Manual Direct Digital Controls
Appendix A 8.0 ASCADA System	ASCADA System	8.0 At minimum, adhere to the minimum maintenance schedule for the ASADA system following the preventive maintenance schedule in Section 8.0 and based on the additional Manufacturers' O & M information below: 8.1 Vault UPS Equipment
Appendix A 9.0 EPF Equipment Switchgear & Electrical Distribution Systems	EPF Equipment Switchgear EPF Electrical Power Distribution and Lighting Panels, Breakers, and Conduit/Wiring to EPF Equipment Loads EPF Electrical Power Distribution and Lighting Panels, Breakers, and Conduit/Wiring to Fuel Tank Farm/Tanker Truck Fueling Pad Equipment Loads EPF Building Grounding System Fuel Tank Farm Grounding System	9.0 At minimum, adhere to the minimum maintenance schedule for the EPF Equipment and Electrical Distribution systems following the preventive maintenance schedule in Section 9.0 and based on the additional Manufacturers' O & M information below: 9.1 Entelysis Unit Substation Dwg 022D5029 9.2 Entelysis Unit Substation Summary of Equipment 9.3 DEF-004 WavePro Power Circuit Breakers Renewal Parts 9.4 DEH203 EntelliGuard Power Circuit Breakers Maintenance Manual 9.5 DET-034B C-2000 Contactors & Starters Technical Information 9.6 EPM 9450/9650 Metering Systems Instruction Manual 9.7 Instructions for AC Voltage Relays BE3-27, BE3-59, BE3-27/59 9.8 Remote Racking Operator Operation & Maintenance Manual GEK-99986 9.9 Cisco ASA 5505 Adaptive Security Appliance Guide 9.10 Electrical Panels, Breakers, Disconnects, Starters, and other Electrical Apparatus
Appendix A 10.0 Telecomm/ Data Systems	Telecom & Data Systems Between Generator Master Control System,	10.0 At minimum, adhere to the minimum maintenance schedule for the Telecomm and Data systems following the preventive maintenance schedule in Section 10.0 and based on the

Section	Description	Requirements
	ASCADA, BSCADA, Airport Vault Relays, and HECO control points of connection.	additional Manufacturers' O & M information below: 10.1 Telecom/data Equipment
Appendix A 11.0 Weight Handling Systems	Electric Crane System	11.0 At minimum, adhere to the minimum maintenance schedule for the Electric Crane system following the preventive maintenance schedule in Section 11.0 and based on the additional Manufacturers' O & M information below: 11.1 Electric Crane Equipment



# APPENDIX B



## APPENDIX B. WEEKLY MINIMUM MAINTENANCE CHECKLIST

<b>EPF Daily Weekly-through</b>				
<b>A.</b>	<b>General Facility &amp; Building Maintenance</b>	<b>Description</b>	<b>Satisfactory (S) or UnSatisfactory (U)?</b>	<b>REMARKS</b>
1	Building interior	Check 1 <sup>st</sup> Floor (Power Plant), Mezzanine (Fan Room) and 2 <sup>nd</sup> floor (Switchgear) for water intrusion, unusual conditions, building damage, trouble alarms for fire alarm, security, etc.		
2	Roof	Check Roof Condition and roof equipment		
3	Building systems	Check if AC is operational, Plumbing is operational, building power and lighting is operational. Verify trenches and pits are dry, otherwise set clean out date.		
4	Storm damage & vandalism to building	Check for storm or vandalism damage		
5	Janitorial services, landscaping, & trash	Check if janitorial, landscaping or trash service needed		
6	BSCADA system	Check BSCADA for alarms, trouble signals, etc.		

<b>A.</b>	<b>General Facility &amp; Building Maintenance</b>	<b>Description</b>	<b>Satisfactory (S) or UnSatisfactory (U)?</b>	<b>REMARKS</b>
7	Weight Handling System	Check crane operating mechanisms for maladjustment, Deterioration or leakage in pneumatic and hydraulic parts, Hooks with deformation or cracks (visual), Hoist chains and end connections for wear, twist or distortion (visual)		
<b>B.</b>	<b>Engine and Generator Maintenance</b>	<b>Description</b>	<b>Satisfactory (S) or UnSatisfactory (U)?</b>	<b>REMARKS</b>
1	Engine Master Control System	Check Master Control System for alarms, trouble signals, etc.		
2	Engine Generators	Check Generator Panels for alarms, trouble signals, etc.		
3	Engine Generators	Check engines for leaks on floor, battery status.		
4	Engine Exhaust Stacks	Check engine exhaust stacks for water leaks, integrity, Drain 4 stacks into 5 gal buckets and dispose of properly.		
5	Intake and Discharge Louvers	Check Louvers for water leaks, integrity.		
6	Ventilation Fans	Check for abnormal conditions.		
7	Fuel System Panel	Check Fuel System Panel for alarms, trouble signals, etc.		

C.	Electrical Equipment, Communication, & Controls	Description	Satisfactory (S) or Unsatisfactory (U)?	REMARKS
1	Generator switchgear and controls	Check for unusual noises, abnormal conditions.		
2	ASCADA system	Check ASCADA for alarms, trouble signals, and availability %.		
3	EPF UPS	Check EPF UPS for alarms, trouble signals, status, etc.		
<b>EPF Tank Farm Daily-Through</b>				
A.	Fuel Tank Farm	Description	Satisfactory (S) or Unsatisfactory (U)?	REMARKS
1	General conditions	Check for fuel leaks, water in berm, unusual conditions.		
2	After rain event, check on berm and oil/water separator water levels	Check on water levels, high level oil alarm at oil separator panel.		
3	Pumps and controls	Check pump control panels for alarms, trouble signals.		
4	Leak Detection and Fuel Inventory Panels	Check leak detection and fuel inventory control panels for alarms, trouble signals.		
5	Storm damage & vandalism to tank farm	Check for storm or vandalism damage.		



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

P R O P O S A L





PROPOSAL TO THE STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
AIRPORTS DIVISION

PROJECT: Maintenance of Emergency Power Facility  
Daniel K. Inouye International Airport  
Honolulu, Oahu, Hawaii

PROJECT NUMBER: B01324-53

TERM OF CONTRACT: Contract is for a term of thirty-six  
(36) months commencing from the date  
indicated in the Notice to Proceed from  
the State.

LIQUIDATED DAMAGES: For failure to provide satisfactory and  
timely maintenance services in accordance  
with the specifications as determined by  
the Director, liquidated damages shall be  
assessed the Contractor for each and every  
calendar day at the rate of five percent  
(5%) of the unit price of the maintenance  
service items.

The rate indicated above is applicable for  
each and every calendar day beyond the term  
of the contract.

Trouble Calls: Five percent (5%) of current  
total monthly billing may be deducted from  
State's payment to the Contractor for each and  
every time it does not respond within twenty-  
four (24) hour after receipt of a trouble call  
request for remedial maintenance for which it  
is contractually obligated under this contract.  
For purposes of this paragraph, definition of  
the term "respond" means to have maintenance  
personnel on the job and working on the  
equipment which is the subject of the request.

NOTE:

BID, PERFORMANCE AND PAYMENT BONDS ARE NOT  
REQUIRED FOR THIS PROJECT

Director of Transportation  
AliiAIMoku Hale  
869 Punchbowl Street  
Honolulu, Hawaii 96813

Dear Sir:

The undersigned bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.
2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.
3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e. an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.

The undersigned bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.

Director of Transportation  
AliiAIMoku Hale  
869 Punchbowl Street  
Honolulu, Hawaii 96813

Dear Sir:

The undersigned bidder declares the following:

1. It has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal.
2. It has not been assisted or represented on this matter by any individual who has, in a State capacity, been involved in the subject matter of this contract within the past two years.
3. It has not and will not, either directly or indirectly offered or given a gratuity (i.e. an entertainment or gift) to any State or County employee to obtain a contract or favorable treatment under a contract.

The undersigned bidder further agrees to the following:

1. If this proposal is accepted, it shall execute a contract with the Department to provide all necessary labor, machinery, tools, equipment, apparatus and any other means of construction, to do all the work and to furnish all the materials specified in the contract in the manner and within the time therein prescribed in the contract, and that it shall accept in full payment therefore the sum of the unit and/or lump sum prices as set forth in the attached proposal schedule for the actual quantities of work performed and materials furnished and furnish satisfactory security in accordance with Section 103D-324, Hawaii Revised Statutes, within 10 days after the award of the contract or within such time as the Director of Transportation may allow after the undersigned has received the contract documents for execution, and is fully aware that non-compliance with the aforementioned terms will result in the forfeiture of the full amount of the bid guarantee required under Section 103D-323, Hawaii Revised Statutes.

2. That the quantities given in the attached proposal schedule are approximate only and are intended principally to serve as a guide in determining and comparing the bids.
3. That the Department does not either expressly or by implication, agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, or to omit portions of the work, as may be deemed necessary or advisable by the Director of Transportation, and that all increased or decreased quantities of work shall be performed at the unit prices set forth in the attached proposal schedule except as provided for in the specifications.
4. In case of a discrepancy between unit prices and the totals in said Proposal Schedule, the unit prices shall prevail.
5. Agrees to begin work within 10 working days after the date of notification to commence with the work, which date is in the notice to proceed, and shall finish the entire project within the time prescribed.
6. The Director of Transportation reserves the right to reject any or all bids and to waive any defects when in the Director's opinion such rejections or waiver will be for the best interest of the public.

Receipt is hereby acknowledged and complete examination is hereby expressly guaranteed of the following listed items: the specifications, the notice to bidders, the special provisions, if any, the proposal, the plans, if any, and the contract form.

The undersigned acknowledges receipt of any addendum, issued by recording in the space below the date of receipt.

Addendum No. 1 \_\_\_\_\_ Addendum No. 3 \_\_\_\_\_

Addendum No. 2 \_\_\_\_\_ Addendum No. 4 \_\_\_\_\_

The undersigned hereby certifies that the bid prices contained in the attached proposal schedule have been carefully checked and are submitted as correct, final and are net prices.

\_\_\_\_\_  
Bidder (Company Name)

By \_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Print Name and Title

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
Business Telephone

\_\_\_\_\_  
Date

\_\_\_\_\_  
Contact Person (If different from above)

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

NOTE:

If bidder is a CORPORATION, the legal name of the corporation shall be set forth above, the corporate seal affixed, together with the signature(s) of the officer(s) authorized to sign contracts on behalf of the corporation. Please attach to this page current (not more than six months old) evidence of the authority of the officer(s) to sign on behalf of the corporation.

If bidder is a PARTNERSHIP, the true name of the partnership shall be set forth above with the signature(s) of the general partner(s) authorized to sign contracts on behalf of the partnership. Please attach to this page current (not more than six months old) evidence of the authority of the partner(s) to sign on behalf of the partnership.

If bidder is an INDIVIDUAL, the bidder's signature shall be placed in the space provided therefore on page PF-4.

If signature is by an agent, other than an officer of a corporation or a partner of a partnership, a POWER OF ATTORNEY must be on file with the Department prior to the opening of bids or submitted with the bid; otherwise, the bid may be rejected as irregular and unauthorized.

MAINTENANCE OF EMERGENCY POWER FACILITY  
DANIEL K. INOUE INTERNATIONAL AIRPORT  
HONOLULU, OAHU, HAWAII  
STATE PROJECT NO. BO1929-53

PROPOSAL SCHEDULE

Item No.	Description	Approx. Quantity (a)	Unit Price (b)	Total (a x b)
1	Weekly Maintenance	52 each	\$ _____	\$ _____
2	Generator Set Preventive Maintenance	4 each	\$ _____	\$ _____
3	Diesel Engine Oil Sampling and Testing	108 each	\$ _____	\$ _____
4	Generator Engine Exhaust Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
5	Generator Radiator Air Intake and Exhaust Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
6	Generator Fuel Supply Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
7	HVAC Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
8	Generator Paralleling Switchgear and Control Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
9	BSCADA System Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
10	ASCADA System Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____

Maintenance of Emergency Power Facility  
Daniel K. Inouye International Airport  
Honolulu, Oahu, Hawaii  
Proposal Schedule  
State Project No. BO1324-53

11	EPF Switchgear and Electrical Distribution Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
12	Telecom/Data Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
13	Weight Handling Systems Preventive Maintenance	1 lump sum	\$ L. S.	\$ _____
14	Trouble Calls – regular working hours – per manhour	1250 hours	\$ L. S.	\$ _____
15	Replacement Parts		F.A./Allow	\$100,000.00

TOTAL AMOUNT FOR COMPARISON OF BIDS \$ \_\_\_\_\_  
(For comparison of bids, sum of items 1 thru 16)

The hourly rates payable to the CONTRACTOR set forth in the Proposal Schedule shall be inclusive of direct labor, overhead, profit, and all other expenses not deemed direct reimbursable costs by the STATE, in its sole discretion, and these rates shall be held fixed for the term of this Contract.

- 1 Bids shall include all Federal, State, County and other applicable taxes and fees.
2. The TOTAL AMOUNT FOR COMPARISON OF BIDS will be used to determine the lowest responsible bidder.
3. Bidders must complete all unit prices and amounts. Failure to do so may be grounds for rejection of bid.
4. If a discrepancy occurs between unit bid price and the bid price, the unit bid price shall govern.



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HONOLULU, OAHU, HAWAII

F O R M S

Contents:

Contract  
Certificate for Performance of Services



CONTRACT

THIS AGREEMENT, made this day \_\_\_\_\_, by and between the STATE OF HAWAII, by its Director of Transportation, hereinafter referred to as “STATE”, and «CONTRACTOR», «STATE\_OF\_INCORPORATON» whose business/post office address is «ADDRESS», hereinafter referred to as “CONTRACTOR”;

WITNESSETH: That for and in consideration of the payments hereinafter mentioned, the CONTRACTOR hereby covenants and agrees with the STATE to furnish, perform and/or deliver and pay for all labor, supplies, materials, equipment and services called for in “«PROJECT\_NAME\_AND\_NO»”, or such a part thereof as shall be required by the STATE, the total amount of which labor, supplies, materials, equipment and services shall be computed at the unit and/or lump sum prices set forth in the attached proposal schedule and shall be the sum of «BASIC»-----DOLLARS (\$«BASIC\_NUMERIC») as follows:

Total Amount for Comparison of Bids.....\$«BASIC\_NUMERIC» which sum shall be provided from State funds, all in accordance with the specifications, the special provisions, if any, the notice to bidders, the instructions to bidders, the proposal and plans, if any, for Project No. BO1324-53, on file in the office of the Director of Transportation. These documents, together with all alterations, amendments, and additions thereto and deductions therefrom, are attached hereto or incorporated herein by reference and made a part of this contract.

The CONTRACTOR hereby covenants and agrees to furnish, perform and/or deliver all labor, supplies, materials, equipment and services as provided herein «WORKING\_DAYS» from the date indicated in the Notice to Proceed from the State. The total term of this contract shall not exceed THIRTY SIX (36) MONTHS.

For and in consideration of the covenants, undertakings and agreements of the CONTRACTOR herein set forth and upon the full and faithful performance thereof by the CONTRACTOR, the STATE hereby agrees to pay the CONTRACTOR the sum of «BASIC»-----DOLLARS (\$«BASIC\_NUMERIC») in lawful money, such payment to be made, subject to such additions hereto or deductions therefrom heretofore or hereafter made, in the manner and at the time prescribed in the specifications and this contract.

An additional sum of «EXTRAS»-----DOLLARS (\$«EXTRA\_NUMERIC») is hereby provided for extra work and shall be provided from State funds.

All words used herein in the singular shall extend to and include the plural. All words used in the plural shall extend to and include the singular. The use of any gender shall extend to and include all genders

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be duly executed the day and year first above written.

STATE OF HAWAII

\_\_\_\_\_  
Director of Transportation

CONTRACTOR

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Title

\_\_\_\_\_  
Date

The undersigned bidder does hereby certify that in performing the services required for «PROJECT\_NAME\_AND\_NO», it will fulfill the following conditions:

1. All applicable laws of the Federal and State governments relating to workers' compensation, unemployment compensation, payment of wages, and safety will be fully complied with; and
2. The services to be rendered shall be performed by employees paid at wages or salaries not less than the wages paid to public officers and employees for similar work, with the exception of professional, managerial, supervisory, and clerical personnel who are not covered by Section 103-55, HRS.

I understand that failure to comply with the above conditions during the period of the contract shall result in cancellation of the contract, unless such noncompliance is corrected within a reasonable period as determined by the Director of Transportation. Payment in the final settlement of the contract or the release of bonds, if applicable, or both shall not be made unless the Director of Transportation has determined that the noncompliance has been corrected; and

I further understand that all payments required by Federal and State laws to be made by employers for the benefit of their employees are to be paid in addition to the base wage required by Section 103-55, HRS.

DATED at Honolulu, Hawaii, this \_\_\_\_ day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
«CONTRACTOR»  
Name of Corporation, Partnership, or Individual

\_\_\_\_\_  
Signature and Title of Signer

Notary Seal  
NOTARY ACKNOWLEDGEMENT

Subscribed and sworn before me this  
\_\_\_\_\_ day of \_\_\_\_\_  
Notary signature \_\_\_\_\_  
Notary public, State of \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

Notary Seal  
NOTARY CERTIFICATION

Doc. Date: \_\_\_\_\_ #Pages: \_\_\_\_\_  
Notary Name: \_\_\_\_\_ Circuit \_\_\_\_\_  
Doc. Description: \_\_\_\_\_  
\_\_\_\_\_  
Notary signature \_\_\_\_\_  
Date \_\_\_\_\_