

ATTACHMENT B
BID FORMS

To: American Samoa Power Authority.

Address: Tafuna Campus, P.O Box PPB, Pago Pago, American Samoa 96799.

Project Title: Supply and Installation of Odor Control System for Utulei WWTP

RFP #: _____

Bidder: _____

Date: _____

All copies of installation manuals and maintenance manuals are to be handed over from the contracted firm to ASPA- for operational maintenance of the odor control equipment. The manufacturer shall include a warranty on equipment and workmanship for a specified period. As a minimum, the warranty shall provide assurance against defects in material, coatings and workmanship for a period of ten (10) years.

<u>SUPPLY AND INSTALLATION OF ODOR COTROL EQUIPMENT FOR UTULEI WWPP</u>			
<u>ITEM DESCRIPTION</u>	<u>EST.QT</u> <u>Y</u>	<u>PRICE PER</u> <u>UNIT</u>	<u>TOTAL PRICE</u>
GENERAL			
A. Mobilization (5% Max)	LS	\$	\$
B. Supply of Equipment – Odor Control Equipment – Pure Air Filtration or equal (Option. 1)			
i. Odor Control Equipment	3No	\$	\$
This should include the supply and installation of Odor Control Equipment which include all the necessary, pipe work, fittings, electrical material, mechanical works, tanks to fit requirements (316SS) and all other items that may be required. FRP is an option, based on supplier recommendation and to meet site condition.			
ii. Particulate Filter Material	No	\$	\$

This shall all include particulate filter material for absorption to improve the life of the media. The supplier shall make sure that enough shall be available because of our location. Shall make sure the one supplied for use shall meet condition define in the SOW			
iii. Blower	No	\$	\$
This shall include multi selection blower that operates between the range of CFM identified in the SOW. It shall be a blowthru and drawthru type and driven by motors with the following details, motor with 460VAC, 60Hz and 3ph. Material shall be consistent with the vessel.			
iv. Absorption Media	LBS/FT ³	\$	\$
This shall be of high performance chemical absorption with define life span of 3-5yrs. The product supplied shall maintain better system performance. It shall also include a system to check the performance of the media and shall be user friendly. Shall also include required test to determine life of the media and when it's due to be replaced. Shall be easily stored and will not react with any chemical if exposed to the environment.			
v. Personal Protective Equipment (Optional)	No	\$	\$
Any requirement for Personal Protective Equipment (PPE) shall be needed for the installation, operating and maintaining the equipment. As for the use of chemical, supply of PPE shall be included as well and all PPE requirement shall be part of this cost.			
vi. Commissioning, Training and Start-up – (Local and Off-island Attachment for 2# Staff)	LS	\$	\$
This shall include the above and training for two WW Operation Staff in any Utilities that operate the same equipment for 10 days if global epidemic allow for travelling at such time. Onsite Training, start-up and commissioning. Time of onsite training to be discussed with our Operation Team.			
vii. Shipping, Duty, Insurance and Delivery Cost to Utulei WWTP/Tafuna Warehouse	LS	\$	\$
All shipping cost, local and off island, duty, insurance and tax for local and off island. Delivery cost to Fogagogo WWTP or ASPA Ware House. This has to be broken down into their individual item/s.			
Supply and installation of Odor Control System – Use of Chemical (Option 2)			
1. Odor control Equipment	No	\$	\$
This shall include all equipment required for the use of chemical for odor control system, The supplier shall include all equipment in detail that shall be required for the odor control. Shall be pre-plumbed, pre-wired with passivated to ensure ease of installation and to maintain operational safety and product quality.			

2. Dosing Equipment (optional)	No	\$	\$
This shall include the use of dosing pump recommended by the supplier to be used for the odor control noting the corrosive environment it will be exposed to. Motor shall meet the following detail, 460VAC, 60Hz and 3ph. Also include all electrical requirements, cables, conduits, wires that shall enable for dosing equipment to work. Shall also include innovating system and user friendly equipment that meet the island situation. Shall include spare pump as an option.			
3. Chemical Requirement	Vol or Wt	\$	\$
This shall include type of chemical used, chemical name, molecular weight, strength, package weight if tablets or volume if liquid. Technical Requirement shall be closely followed in the supply of chemical used for odor control. Shall provide an inventory system to monitor capability and delivery notification. Availability of chemical shall be factored into the cost so it will be available when there is a need. Shall consider 2-3yr supply of chemical for this option.			
C. INSTALLATION – (OPTIONAL) – Please Mark “Pure Air Filtration or Equal” or “Chemical Usage”			
i. Installation of Odor Control System and equipment	LS	\$	\$
This will include the installation of the odor control as shown on the drawing. Location and site detail shall to be confirmed before installation by the Contractor against the detail supplied by the Manufacturer. Verification of site will be done once size and capacity is confirmed. Include labor, material, plant or equipment used.			
ii. Civil Work – Pipe works	LF	\$	\$
This will include, all pipe works, tank installation with location to be confirmed by the engineer and ASPA, labor, plant and material for this activities. This shall conform to the installation and operation manual supplied by the supplier/manufacturer.			
iii. Concrete Work	CY	\$	\$
This shall include design and installation of concrete pad for the odor control system and equipment to the requirement of the Manufacturer for pad sizing, labor, plant, equipment and all the necessary materials required to complete the concrete pad. Shall include Excavation, compaction and leveling if required. Concrete strength shall be 4000psi unless specified.			
iv. Electrical Work	LF	\$	\$
This shall include all Electrical installation and Control from the power source identified on the drawing to the odor control equipment control panel, conduit installation, electrical wire installation, control wire installation, junction boxes and all other materials required to complete this installation, labor, plant, equipment and material for such installation and commissioning. All electrical and control installation shall meet Hazardous Area Electrical Class 1, Division 1, Group D, NEC Article 501 shall govern. Length of conduit and electrical wires to be confirm on site.			

a. Check existing power capacity and upgrade if needed.	LS	\$	\$
This provisional sum is to cover any power upgrading to the existing system so it can accommodate the odor control. Contractor shall check power capacity and to see if there is a need for upgrading or a new transformer to be installed to accommodate new installation.			
v. Mechanical Work	No	\$	\$
This shall include all other all mechanical installation that are not covered under civil and needs to be completed as part of the installation, labor, materials, equipment, plant and all other necessities to complete this installation, installation of motors, pipe works, supports, etc.			

Total Amount:

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(Amount in Words)

\$ _____

All blanks on the Bid Form shall be typewritten or handwritten in blue or black ink.

Price shall include labor, transportation, supplies/materials, protective gear, tools, supervision and commissioning and all other costs required for the successful completion of the project. Offeror shall propose a total cost as mentioned above.

Offeror Name: _____

Phone Number: _____

Fax Number: _____

Email Address: _____

Business License Number: _____