



SAA/GO/002 1 Supply and Installation of Goods for “Automated Weather Station (AWS)”

CLARIFICATION ISSUE 02

06 November 2023

I. CLARIFICATIONS TO QUESTIONS RAISED BY BIDDERS

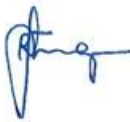
Item Ref.	Questions Raised	SAA/SARIP Answers
1	What is the Advance Payment Guarantee (3/9(i))	<i>The Advance Payment Guarantee requested is a demand guarantee from any financial institution (usually banks) to the amount stated for the Advanced payment (in this case – 15% of the contract amount)</i>
2	Do you have a preferred Civil Works Contractor for works on the airport?	<i>No – there are a number of local contractors in Samoa, and you are welcome to select qualified contractors/teams for your works.</i>
3	If so, what is your preferred contractor’s contact details?	<p><i>A list has been attached for civil works contractors that are registered with both the Ministry of Works, Transport & Infrastructure (MWTI) and the Land Transport Authority (LTA).</i></p> <p><i>LTA Contractors are a list of civil works contractors (usually able to do roads & concrete works). MWTI Contractors are usually builders. You’ll notice that there are some crossovers in both lists. Feel free to choose a suitable contractor. Any numbers listed should include our country code (+685) before calling.</i></p>
4	Please clarify if it is a requirement of the tender to supply and install: <ul style="list-style-type: none"> (a) two complete AWOS systems (one at each runway threshold), or (b) a single AWOS system at one runway threshold, or (c) a single AWOS system at one runway threshold and a separate wind sensors installation at the other runway threshold, or 	<i>d) Other configuration - The intention is to install an AWOS system on one end of the runway (capturing wind, temperature, humidity, barometric pressure) and another <u>wind only site</u> at the other end of the runway.</i>

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	(d) Some other configuration of equipment?	
5	Will the new AWOS system completely replace the existing AWOS system?	<i>This system will replace SAA's old AWOS system (not fully operational), and is separate from the Samoa Met's system. The purpose of SAA's new AWOS system is to capture real time readings versus the periodic readings from Samoa Met's system.</i>
6	If the intention of this project is to replace the current AWOS, will the new equipment be installed at the current AWOS site/s?	<i>The intention is to replace the full SAA AWOS system, but will not affect Samoa Met's system.</i>
7	The Faleolo Met Office has an AWOS display, allowing the duty observer to use observation data for their METAR/SPECI reporting programme. Is it a requirement of this tender to provide a data display from the new AWOS system to the Airport Met Office?	<p><i>The requirement is to provide this data display to SAA's Tower, but not to Samoa Met's Office – they have their own system.</i></p> <p><i>To clarify, Samoa Met is under the Ministry of Natural Resources & Environment (MNRE) and is separate from Samoa Airport Authority (SAA). Samoa Met has a met office at Faleolo, but SAA's AWOS will be linked to its Tower and displays for the system is expected to be installed at SAA's Tower.</i></p>
8	We are considering reusing the existing wind sensor masts for the new ultrasonic wind sensor installations. Is this feasible?	<i>SAA currently does not have any masts, and so the bidder will need to bring new frangible masts for the works.</i>
9	Document AWS-Goods_final-clean_11-10-2023.pdf, Page 17... "The offered system should utilize compact Tower display units" are mentioned. The term "units" implies more than one display. How many displays are required?	<i>As long as a display can cover all the site, one is sufficient. The term units was assumed in-case there were display units for each site.</i>
10	Document AWS-Goods_final-clean_11-10-2023.pdf, Page 21... "rain sensor" is mentioned but not included in "8. Other Parameters that will be considered". Please confirm that rainfall measurement (rain gauge) is required to be supplied under this tender.	<i>Yes – this should be included.</i>

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11	Document AWS-Goods_final-clean_11-10-2023.pdf, Page 23... "visibility sensor, ceilometer, present weather sensor" are mentioned but not included in "8. Other Parameters that will be considered". Please confirm that optical sensors (ceilometer, present weather, visibility) are required to be supplied under this tender.	<i>Yes – this should be included. Also refer to clarification 1, confirming our requirements for this optical sensors.</i>
12	There is a requirement for Sufficient training of seven (7) SAA staff at Faleolo: What are the training and skill levels of staff to be trained?	<p><i>Currently, the team consists of communication technicians, whose role covers the maintenance and repair of all navigational systems within the airport. There is very limited knowledge and training on AWOS systems, and these technicians will require a comprehensive training on the system that will be installed, and how it should be maintained.</i></p> <p><i>Training for its use, will also be needed for some technicians and some control tower personnel.</i></p> <p><i>We are leaving this up to the bidder to propose a suitable training program for our staff so they can manage and maintain the system up to an acceptable standard.</i></p>
13	<p>What will be the power supply available at each of the following?</p> <ul style="list-style-type: none"> - AWS site - Remote wind site - Control tower radio communications cabinet 	<p><i>Please refer to Clarification 01, but the following was stated:</i></p> <ul style="list-style-type: none"> - <i>AWS site – no AC voltage 230 V available at the moment but if needed it can be connected from NAVAID site.</i> - <i>Remote wind site – no AC 230 voltage, same as the above.</i> <p><i>Control Tower – yes AC 230V 50Hz is available.</i></p>
14	Will it be possible to install the control tower radio equipment cabinet in the control tower with the antenna nearby (each antenna within 10 meters)?	<i>Yes – this is fine.</i>

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15	Is battery backup required for the control tower radio equipment and displays?	<i>Yes – battery backup is required for equipment & display(s).</i>
16	Document AWS-Goods_final-clean_11-10-2023.pdf, Page 18... For the Wind Derived variable... Please confirm the bulleted item "Variation" means the wind direction counter-clockwise to clockwise maximum deviation during the averaging period?	<i>Yes – correct.</i>
17	Have you received questions from other responders to this tender. If so, can you please provide us with the answers to those questions? (This is standard tender response practice)	<i>Yes – this was shared, refer to Clarification 01.</i>

Signed:



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