

Questions and Answers

ITB/FJI/JPN/001/20 (reannouncement) – supply of communication equipment

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Date: 29 January 2020

Question	Answer
We are working on the above tender. For logistics accuracy we need to know the exact delivery address in both your locations.	As provided in ITB document, your prices must be offered under CIP Koror, Palau and CIP Pohnpei, FSM (Incoterms 2020) delivery term.
The HF Antennas, are they to be tactical, semi tactical or fixed?	HF antennas will be fixed installations.
HF Antennas, is height of 10 m accurate height or minimum height?	10 metres is the minimum height, consistent with price and dimensions.
Is there any max length/width requirements for the antennas?	Height wise no restrictions, but length and width wise overall antenna should fit into an area not greater than 18 metres square including guy wires and guy anchors.
Any minimum weight requirements?	Weights should be kept to a minimum, consistent with wind loading . Ideally packages should not exceed 30 KG each to allow transport on small island watercraft and aircraft.. Overall package lengths should not exceed 2.5 metres.
What is mounting environment (ground) for the installation areas? This is important to know to comply with VSWR<2,0.	Generally, antenna will be over sandy coral ground, with water table probably 2 - 3 metres below ground level.
Is the preferred requirement two-mast dipole antenna or one-mast dipole antenna?	Preference is for single mast inverted V configuration.
As 3-wire is "preferable", will two-wire antennas be accepted?	To obtain as high a radiation efficiency as possible 3 wire construction is preferred.
The HF and VHF base stations, is IPX7 definitive? (We find only military Equipment complying)	Handheld radios and microphones for all systems should be waterproof to IPX7 ratings. HF and VHF Radios should be sealed to IP 54 standards.
With such quantities, 4 months production and supply time is very short, as transport by sea is probably 3 months. Is this negotiable?	Please suggest your estimated delivery time considering ongoing COVID-19 crisis.
HF power supply units as stated in your tender document only 10 needed, but 55 radios needed??	HF Radio Mains power supplies are only needed where grid / mains power is available and solar power is not used hence different numbers.
Fan Modules for HF radio only 7 stated in your tender document, because there are normally fitted to the bases that run data??	External cooling fans are only required where radios are / would be used for data. The transmit time is much longer for data so need additional cooling. Power consumption is higher during transmit

VHF masts only 30 stated in your tender document, but there are 35 base radios required to be provided??	In some locations the HF mast will also be used to support the VHF antenna as well, hence the different numbers.
Marine VHF psu only 8 stated in the tender document, but there are 35 base radios required to be provided??	Same as for HF radios, where reliable mains / grid power is available, solar power (which is much more expensive) is not used and mains / grid power supplies will be required and used.
<u>HF Radio</u> <ul style="list-style-type: none"> • Do you also need data modems? • Confirm if you require HF Radios to have an IP67 Rating (1Meter Submersible for 1 Hour) 	<p>External data modems at this time is not required as per ITB.</p> <p>The weatherproofing specification for the HF radio should be IP54, not IP67.</p> <p>For HF should be 125 watts PEP and for VHF should be 25 watts RMS. Minimum.</p>
<u>Lightning Arrestors</u> Any specific power rating	Lightning arrestor power ratings should match the associated transceiver