



VIRGIN ISLANDS WATER & POWER AUTHORITY

PR-04-20

**VIWAPA Randolph Harley Power Plant
Expansion**

General Construction

199312.70.0100

ADDENDUM II

Attached are questions and the Authority's response to those questions.



**VIRGIN ISLANDS WATER AND POWER AUTHORITY
(VIWAPA)**

PR-04-20

**REQUEST FOR PROPOSAL
VIWAPA Randolph Harley Power Plant Expansion
General Construction
199312.70.0100**

Prepared by: Production and Black & Veatch

**RESPONSE TO QUESTIONS
Addendum II
September 6, 2019**

Clarification to Bidder:

- 1. The limitation to 7-10 MW blocks for dispatch purposes. Could you please clarify if there is any flexibility on this matter? If there isn't flexibility on this matter, I can think of very few technology options that can meet the requirements of this RFP and therefore competition will be more limited. I'd like to mention that with our H-25 gas turbine we should be able to comply with your capacity requirement at base load, it has experience operating with LPG and it can be part loaded to accommodate lower loads (I would expect it can operate down to ~20 MW, but this depends on emissions requirements). We can also offer two smaller versions if VIWAPA would prefer a multi-unit configuration, but there is a loss in competitiveness due to more CAPEX, OPEX and lower efficiency vs a single unit configuration. In the multi-unit case, each unit would have a base load around 24-26 MW and a minimum load around 12-14 MW.**

Answer: The specification states 7-10 MW, there is no flexibility here as this is the Authority's planning criteria for new generation to allow renewable energy technology to the grid. The new engines must be able to turn down from 100% to 25% without having significant changes in the plant heat rates. Also,

during unit trips, the loss of load would not affect 60% of the customers. Our current generation is made up of GE frame 5 & 6 units which have been deemed too large for our system.

- 2. Is there a schedule that the bidders need to comply with (required COD)? Or is it open for bidders to offer? I ask because the different options (RICE, simple cycle and combined cycle) have different construction times.**

Answer: The Authority would like the project COD for 12/31/2020 for this project. However, if this COD is not feasible the bidder must determine what time frame, they can get their technology to COD based on project schedules.