



GUAM POWER AUTHORITY

ATURIDÁT ILEKTRESEDÁT GUÅHAN
P.O.BOX 2977 • HAGÁTÑA, GUAM U.S.A. 96932-2977

May 22, 2020

AMENDMENT NO.: III

TO

INVITATION FOR MULTI-STEP BID NO.: GPA-050-20

FOR

SUPPLY OF RESIDUAL FUEL OIL NO. 6

Prospective Bidders are hereby notified of the following changes and responses to inquiries received from Bidder No.: 2 dated May 5, 2020 & Bidder No.: 3 dated May 21, 2020 (Clarification to Amendment No.: II):

1. VOLUME II – CONTRACT

SCHEDULE A. PRODUCT QUALITY SPECIFICATION

Delete in its entirety and replace with:

SCHEDULE A: PRODUCT QUALITY SPECIFICATION

RESIDUAL FUEL OIL NO.6

Item	Test Parameter	Unit of Measure	Approved Test Method	Acceptable Alternate Test Methods	Minimum Allowed Value	Maximum Allowed Value	Comments
1	Sulphur Content	% mass	ASTM D-4294	ASTM D-2622	N/A	LSFO = 1.19 HSFO = 2.00	
2	Sulphur Mercaptan	Ppm (g/kg)	ASTM D-3227	UOP 163		100	
3	Pour Point	Deg C	ASTM D-97	N/A	N/A	21	
4	Flash Point	Deg C	ASTM D-93	N/A	66	N/A	
5	Kinematic Viscosity	cSt at 50 °C	ASTM D-445	ASTM D-2161		175	
6	Sediment By Extraction	% mass	ASTM D-473	N/A	N/A	0.10	
7	Water By Distillation	% by Volume	ASTM D-95	N/A	N/A	0.50	
8	Vanadium Content	Parts Per Million	ASTM D-5708	a)ASTM D-5184 b)ASTM D-5863 c) IP 501 d) IP 433 e) ISO 14597	N/A	90	
9a	Silicon Content	Parts Per Million	ASTM D-5184	a) IP 470 b) IP 377 c) ISO 10487 d) IP 501	N/A	Combined Al + Si Not to exceed 70 ppm.	

9b	Aluminum Content	Parts Per Million	ASTM D-5184	a) IP 470 b) IP 377 c) ISO 10487 d) IP 501	N/A	Al not to exceed 30 ppm.	Individual results to be reported separately
10	Guaranteed Gross Heating Value (HHV)	Million BTU Per US Barrel	ASTM D-240	N/A	6.10	N/A	
11	Micro- Carbon Residue	% mass	ASTM D-4530	ASTM D-5245 ASTM D-189 (see comments)	N/A	13	
12	Ash	% mass	ASTM D-482	N/A	N/A	0.10	
13	Asphaltenes	% mass	ASTM D-6560	IP 143	N/A	5	
14	Sodium	Ppm	ASTM D-5863/B	ASTM D-5708/B IP288 IP 501	N/A	40	
15a	Total Sediment (Existent)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.10	
15b	Total Sediment (Potential)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.10	
15c	Total Sediment (Accelerated)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.10	
16	Compatibility	a) Cleanliness ratio b) Compatibility ratio	ASTM D-4740	N/A	N/A	a) 1 b) 1	a) to be reported from load port b) to be determined on arrival Guam unless otherwise notified in the specific instance. See Note.
17	API Gravity		ASTM D-287	ASTM D-1298 and conversion	11.8	23.0	
18	Density @ 15 °C	Kg/L	ASTM D-287	ASTM D-1298 ASTM D-4052		0.9870	
19	Odor				Report		See Note
20	Hydrogen Sulfide content (in liquid phase)	Mg/kg	IP-399	IP-570	N/A	2.0	See Note
21	Used lubricating Oil (ULO)				The fuel shall be free of ULO		See note
	Zinc	Mg/kg	IP 501	IP 470		10	
	Phosphorus	Mg/kg	IP 501	IP 500		10	
	Calcium	Mg/kg	IP 501	IP 470		30	

The Authority reserves the right to require the supplier to add and to conduct additional tests as necessary.

Notes on Schedule A:

Item 16: Compatibility

CONTRACTOR shall ensure that each shipment of fuel oil is compatible with a representative sample of the previous shipment of the same grade. Testing for compatibility will be conducted at load port according to the test method ASTM D-4740 mutually agreed between both parties and the **CONTRACTOR** will guarantee spot rating of 1.

Item 19: Odor.

The odor shall be typical and characteristic of mild hydrocarbon smell, but must not be unusually strong, repulsive, or obnoxious. The fuel delivered shall be subject to inspection by regulatory agencies such as the United States Environmental Protection Agency (USEPA), or by an independent third-party inspector, should issues related to odor arise. In the event that such

unusually strong, repulsive, or obnoxious odor is detected and is deemed due to the quality of the product delivered by the Contractor, the product shall be replaced at the Contractor's expenses.

Item 20:

Hydrogen Sulfide in Liquid Phase. *Individual samples shall be drawn on the ship compartments. Report shall be based on the mathematical average of the test results.*

Hydrogen Sulfide in Vapor. *The Contractor or its agent is required to disclose the Hydrogen Sulfide concentration for each cargo compartment on a daily basis upon sailing from the load port. The Contractor shall ensure that the Hydrogen Sulfide concentration in vapor phase on board the vessel does not exceed 80 ppm prior to cargo arrival on Guam.*

In the event that the Hydrogen Sulfide levels are exceeded on cargo arrival, the vessel will be required to leave the Guam port and de-gas to the required concentration and all costs shall be borne by the Contractor.

Item 21: Used Lubricating Oil.

A fuel shall be considered to be free of ULO if one or more of the elements zinc, phosphorus and calcium are below or at the specified limits.

All three elements shall exceed the same limits before a fuel shall be deemed to contain ULO.”

ANSWER TO INQUIRY:

Bidder No. 2 dated May 5, 2020:

QUESTION:

1. It is quite difficult to obtain hard copies as almost all our partners are working from home due to COVID19. So, it is allowed to send you all the copy docs? (scanned)

ANSWER:

Due to the worldwide COVID-19, pandemic, the Authority will accept the following scanned documents for the initial submission:

- Letter of Credit
- Surety Bond – Valid only if accompanied by:
 1. Current Certificate of Authority issued by the Insurance Commissioner;
 2. Power of Attorney issued by the Surety to the Resident General Agent;
 3. Power of Attorney issued by two (2) major officers of the Surety to whomever is signing on their behalf.
- All listed Affidavits in bid tender.

However, each prospective bidders shall submit those scanned documents in its original form within thirty (30) days of bid opening.

Bidder No. 3 dated May 21, 2020 (Clarification to Amendment No.: II dated 05/14/2020):

QUESTION:

1. We noticed that in the Amendment No. II to GPA-050-20 we noticed for sediment test. There are now a total of three tests for Total Sediment :

- 15a) Total Sediment (Existent) 0.15
- 15b) Total Sediment (Potential) 0.10
- 15c) Total Sediment (Accelerated) 0.03

Of which 15b) and 15c) have been added recently into the Amendment II (was not in the original tender documents). Therefore we would like to seek clarification on this new requirement:

15a	Total Sediment (Existent)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.15	
15b	Total Sediment (Potential)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.10	
15c	Total Sediment (Accelerated)	% mass	ISO 10307-2	ASTM D-4870 IP 377	N/A	0.03	

Our question to GPA:


In the GPA per amendment II there are three specifications required for Total Sediment: 15a) Total Sediment Existent 0.15%, 15b) Total Sediment (Potential) 0.10% 15c) Total Sediment (Accelerated) 0.03%. We would like to clarify

- Whether all three specifications are required since they are measuring the same property but using different test methods.
- Whether the specification of 15c) of 0.03%mass can be changed to 0.1%mass which is the same as the specification of 15a) on the original tender document.

ANSWER:

Kindly refer to **VOLUME II – CONTRACT, SCHEDULE A: PRODUCT QUALITY SPECIFICATION** above.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.


for JOHN M. BENAVENTE, P.E.
General Manager
