



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 4

List View

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1026106

Procurement Type: Central Purchase Order

Vendor ID: VS0000040220

Legal Name: Brine Masters LLC

Alias/DBA:

Total Bid: \$251,685.00

Response Date: 04/23/2022

Response Time: 7:54

Responded By User ID: Brine Masters LL

First Name: Clay

Last Name: Hildreth

Email: clayh@brinemasters.com

Phone: 3178207240

SO Doc Code: CRFQ

SO Dept: 0803

SO Doc ID: DOT2200000156

Published Date: 4/22/22

Close Date: 4/26/22

Close Time: 13:30

Status: Closed

Solicitation Description: ADDENDUM NO_1 AUTO BRINE SOLUTION PRODUCTION

Total of Header Attachments: 4

Total of All Attachments: 4



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder:	1026106		
Solicitation Description:	ADDENDUM NO_1 AUTO BRINE SOLUTION PRODUCTION SYSTEM EQUIPMEN		
Proc Type:	Central Purchase Order		
Solicitation Closes	Solicitation Response	Version	
2022-04-26 13:30	SR 0803 ESR04232200000006606	1	

VENDOR

VS0000040220
Brine Masters LLC

Solicitation Number:CRFQ 0803 DOT2200000156

Total Bid:251685Response Date:2022-04-23Response Time:07:54:03

Comments:

FOR INFORMATION CONTACT THE BUYER
John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X

FEIN#

DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT	3.00000	EA	83895.000000	251685.00

Comm Code	Manufacturer	Specification	Model #
20122400			

Commodity Line Comments: Solicitation CRFQ 0803 DOT2200000156
Brine Maker: Fully Automated Brine Maker, 10 G / 304 SS construction, Side Flow Design, with or without remote mount or integral controls TBD per location. Simple installation of equipment modular design.
MFG: Brine Masters
Model: BM-6

Extended Description:

AUTOMATIC BRINE MAKER WITH REMOTE FILL CAPABILITIES



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Highways

Proc Folder: 1026106

Doc Description: AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT

Reason for Modification:

ADDENDUM NO_1
TO move Bid Opening to
04/26/22 @ 1:30pm

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2022-04-19	2022-04-26 13:30	CRFQ 0803 DOT2200000156	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS 00 000 40220

Vendor Name: Brive Masters LLC

Address: 12367 Brompton Rd

Street: Brompton Rd

City: CARMEL

State: IN

Country: 46033

Zip: 46033

Principal Contact: Clay Hildreth

Vendor Contact Phone: 317-820-7240

Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X

FEIN#

84-4336024

DATE

4-22-22

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION

ADDENDUM NO_1

Addendum No_1 issued to publish and distribute the attached information to the Vendor Community.

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Highways District 2 to establish a contract for the one-time purchase of three (3) Automatic Brine Maker Production System Equipment. This equipment shall produce brine, automatically monitoring and controlling brine concentration during production, without the intervention of an operator. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TOALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDERNo City
US

WV

SHIP TOSTATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDERNo City
US

WV

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT	3.00000	EA		

Comm Code	Manufacturer	Specification	Model #
20122400	Brine Masters	Brine Maker - BM-6 Truck Fill - TF-S	

Extended Description:

AUTOMATIC BRINE MAKER WITH REMOTE FILL CAPABILITIES

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2022-04-15

	Document Phase	Document Description	Page
			3
DOT2200000156	Final	AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Highways

Proc Folder: 1026106

Doc Description: ADDENDUM NO_1 AUTO BRINE SOLUTION PRODUCTION SYSTEM EQUIPMEN

Reason for Modification:

ADDENDUM NO_1
Vendor Questions and responses

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2022-04-22	2022-04-26 13:30	CRFQ 0803 DOT2200000156	3

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS 00 000 40220

Vendor Name: Brine Masters LLC

Address: 12367

Street: Brompton Rd

City: CARMEL

State: IN

Country: USA

Zip: 46033

Principal Contact: Clay Hidreth

Vendor Contact Phone: 317-820-7240

Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep
304-558-2566
john.w.estep@wv.gov

Vendor
Signature X

FEIN#

84-4336024

DATE

4-22-22

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION**ADDENDUM NO_2**

Addendum No_2 issued to publish and distribute the attached information to the Vendor Community.

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Highways District 2 to establish a contract for the one-time purchase of three (3) Automatic Brine Maker Production System Equipment. This equipment shall produce brine, automatically monitoring and controlling brine concentration during production, without the intervention of an operator. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TO

ALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City WV
US

SHIP TO

STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDER

No City WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT	3.00000	EA		

Comm Code	Manufacturer	Specification	Model #
20122400	Brine Masters	Brine maker: BM-6 Truck Fill: TF-S	

Extended Description:

AUTOMATIC BRINE MAKER WITH REMOTE FILL CAPABILITIES

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2022-04-15

	Document Phase	Document Description	Page
DOT2200000156	Final	ADDENDUM NO_1 AUTO BRINE SOLUTION PRODUCTION SYSTEM EQUIPMEN	3

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Highways

Proc Folder: 1026106

Doc Description: ADDENDUM NO_1 AUTO BRINE SOLUTION PRODUCTION SYSTEM EQUIPMEN

Reason for Modification:

ADDENDUM NO_1
Vendor Questions and responses

Proc Type: Central Purchase Order

Date Issued

Solicitation Closes

Solicitation No

Version

2022-04-22

2022-04-26 13:30

CRFQ 0803 DOT2200000156

3

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON WV 25305

US

VENDOR

Vendor Customer Code: VS 00 000 40220

Vendor Name: Brine MASTERS LLC

Address: 12367 Brompton Rd.

Street:

City: CARMEL

State: IN

Country: USA

Zip: 46033

Principal Contact: CLAY Hildreth

Vendor Contact Phone: 317-820-7240

Extension:

FOR INFORMATION CONTACT THE BUYER

John W Estep

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john.w.estep@wv.gov

Vendor
Signature X

FEIN# 84-4336024

DATE 4-22-23

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ADDITIONAL INFORMATION

ADDENDUM NO_2

Addendum No_2 issued to publish and distribute the attached information to the Vendor Community.

REQUEST FOR QUOTATION:

The West Virginia Purchasing Division is soliciting bids on behalf of WV Division of Highways District 2 to establish a contract for the one-time purchase of three (3) Automatic Brine Maker Production System Equipment. This equipment shall produce brine, automatically monitoring and controlling brine concentration during production, without the intervention of an operator. Per the Bid Requirements, Specifications, Terms and Conditions attached to this solicitation.

INVOICE TOALL STATE AGENCIES
VARIOUS LOCATIONS AS
INDICATED BY ORDERNo City WV
US**SHIP TO**STATE OF WEST VIRGINIA
VARIOUS LOCATIONS AS
INDICATED BY ORDERNo City WV
US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	AUTOMATIC BRINE SOLUTION PRODUCTION SYSTEM EQUIPMENT	3.00000	EA		

Comm Code	Manufacturer	Specification	Model #
20122400	Brine Masters		BM-6 TF-S-1

Extended Description:

AUTOMATIC BRINE MAKER WITH REMOTE FILL CAPABILITIES

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Questions due by 10:00am	2022-04-15

SOLICITATION NUMBER: CRFQ DOT2200000156

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ DOT2200000156 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☐ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☒ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☐ Other

Additional Documentation:

Vendor Questions and Responses

Bid Opening remains 04/26/2022 at 1:30pm

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

Addendum 1

Question 1: Would WV/DOT accept a VanTech Brine Boss system in lieu of the Cargill unit that is specified?

Answer 1: Yes, we will accept any system that is comparable to the specifications as detailed in the Solicitation.

Question 2: Is it acceptable to construct the salt hopper out of 10-gauge 304 Stainless steel? Which has a tensile strength of 75,000 lb, which equates to 4.68 times stronger than fiberglass. Note further in the specification it states that 304 is acceptable and preferred for metal fittings.

Answer 2: Yes, it is acceptable to construct the salt hopper out of 10-gauge 304 Stainless steel.

Question 3: Is it acceptable to have discrete floats that are adjustable verse a pressure transducer?

Answer 3: Yes, discrete floats are acceptable.

Question 4: Is it acceptable to have a programing override and a manual valve actuator to replacement of the electric valve actuator?

Answer 4: Yes, programing override and a manual valve actuator are acceptable.

Question 5: Please indicate if 3 phase power is available? And if so, can we supply SS 3 phase motors?

Answer 5: No, 3 phase power is not available.

Question 6: If Renewals years are agreed upon, is there the option to request price changes dependent upon the current market at the time of renewal?

Answer 6: This is a one-time purchase Solicitation not an open-end contract.

Question 7: The Product listed in the Bid is comparable to the Cargill AccuBrine RTF unit, Cargill has since added a new machine called the AccuBrine NXT Gen; Would you like us to submit the newest machine or 2 bids for the 2 separate machines?

Answer 7: The vendor is free to submit separate bids for separate machines if they are comparable to the specifications listed in the solicitation.

Question 8: Under Instructions to Vendors point 10. Alternate Model or Brand: the box below was checked meaning only the Specific product listed matching the bid spec. If we were to include our new machine (upgrade model) would it be rejected for not meeting spec?

Answer 8: The vendor is free to submit any bid if it is comparable to the specifications listed in the solicitation.

Question 9: At Location #2 Summersville – we show a current machine installed there, is it still there? Are they looking for an upgrade [Legacy Upgrade]?

Answer 9: Yes, the machine is still there. No, we are not looking to upgrade this machine.

Question 10: Are the locations interested in Blending Capabilities? Do they want to Blend liquids into a truck?

Answer 10: No, we are not interested in blending capabilities.

Question 11: How many tanks are on the sites to hold brine liquids?

Answer 11: There are planned to be at least 2 tanks per site.

Question 12: Are the tanks on site Double or Single wall?

Answer 12: Double wall

Question 13: Do the existing tanks have ports in them already? If so what size and how many?

Answer 13: Yes, 2 ports minimum in each tank, the ports connect to a standard 4" hose.

Question 14: If interested in blending how many Tanks are on site for blended liquids?

Answer 14: No blending tanks are on location.

Question 15: Does the truck key pad need to be remote or can the truck be selected via the machine itself?

Answer 15: The keypad could be on the truck, not completely remote.

Question 16: Will we need to plumb these machines up to the tanks or is that done by the state?

Answer 16: No, we will plumb the tanks after delivery.

Question 17: In the bid it says that when it is rewarded and the PO is cut that the machines are to be delivered within a month, can that be extended through exceptions?

Answer 17: The machines will need to be invoiced no later than May 31st, 2022.

Question 18: Is stainless considered to be better than fiberglass in this big for the blend tank?

Answer 18: Yes our opinion is that stainless is better than fiberglass in this situation.

Question 19: Are we supplying tanks if so how many?

Answer 19: No, the WVDOT will supply the tanks.

Question 20: Are we supplying the tank fill sensors if so how many?

Answer 20: No, the WVDON will supply the tank sensors.

Question 21: How many remote pads do you need per system?

Answer 21: 1 remote pad per system is requested.

Question 22: Are you needing Micro ingredient pumps also for Blending?

Answer 22: No, we do not need Micro ingredient pumps also for Blending.

Question 23: Will the State accept a "Cross Flow Design" Brine maker hopper design, whereby the water flows across through the salt eroding the salt crystals turning it into salt brine which then flows through a fixed filter screen into the reservoir side of the brine maker where it is then pumped through the salinity control system with capabilities of 6000 gallons per hour production rates?

(Production rates based upon the available water source being capable of supplying 6000 GPH)

- Please note the State already had already approved and used this design across the state during the most recent Brine Maker contract.

Answer 23: Yes, a cross flow design is acceptable.

Question 24: Will The State accept the use of a "Cellular Gateway" Communication network VS an Internet based connection? (Thus, eliminating the need to go through the states internal IT system network)

- Please note the State already had already approved and used this design across the state during the most recent Brine Maker contract.

Answer 24: Yes, we will accept a "Cellular Gateway Communication Network"

Question 25: Will The State accept the use of 304SS material in the construction of the Brine Maker hopper and reservoir?

- Please note the State already had already approved and used this design across the state during the most recent Brine Maker contract.

Answer 25: Yes, we will accept 304SS material.

Question 26: Will The State accept the use of Mechanical liquid level floats connected to the PLC to activate and operate both the pump and fresh-water valve controls?

- Please note the State already had already approved and used this design across the state during the most recent Brine Maker contract

Answer 26: Yes, we will accept the use of Mechanical liquid level floats connected to the PLC to activate and operate both the pump and fresh-water valve controls.

Question 27: Will The State Accept the use of a 5.7 " TCT LCD touch screen display panel VS the 7.5 " touch Screen?

- Please note the State already had already approved and used this design across the state during the most recent Brine Maker contract

Answer 27: Yes, we will accept the use of a 5.7 " TCT LCD touch screen display panel VS the 7.5 " touch Screen.

Question 28: Will The Sate accept an extended delivery of the Brine making Equipment within 90-120 days of the receipt order?

Answer 28: The machines will need to be invoiced no later than May 31st, 2022.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO DOT2200000156

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Brice Masters LLC

Company



Authorized Signature

4-22-22

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Solicitation CRFQ 0803 DOT2200000156

Brine Maker: Fully Automated Brine Maker, 10 G / 304 SS construction, Side Flow Design, with or without remote mount or integral controls TBD per location. Simple installation of equipment modular design.

MFG: Brine Masters

Model: BM-6

Production Rate: Up to 7,300 GPH

Brine Maker Options Included in Bid Price:

- Tank Level Sensor / Radar Type + or – 0.2” of tank level
- Bolt on - Hopper Extension / Flip Cover, Extend to 13’ Wide and 5.5 CU Yard Capacity
- Cell Gateway for remote access of controls
- Air Purge of water line
- Line to Brine Maker
- Install Fitting Kit 2” cam Lock type per request

Brine Maker Standard Features

- Fully Automated with self-diagnostics
- Simple “Start / button” operation with Touch screen for system dashboard information
- Data Logging – volume, concentration, water & salt usage, system status and more
- 7,300 GPH Production Rate
- Works with treated or non-treated salts
- Fully Automated
- 4” X 14” clean-Out Door
- Side Flow Design / No removal screen
- Touch Screen HMI 7.3” outside dimension diagonal
- 220V single phase or 3 phase motor available at no additional charge TBD per site
- Cast Stainless steel Pump
- Self-Calibrating Brine Concentration Sensor
- UL Listed Controls and Control Cabinet
- Polycarbonate NEMA 4x Electric enclosure

Brine Maker Deviation from Spec.

- 304 SS construction V Fiberglass – Better Than, more durable
- Does not have parallel manual override circuit – has electronic override
- Adjustable Discrete Brine Maker Level Sensor V Pressure Transducer – Better Than no maintenance sensor

Truck Fill / Blending System

Fully automated Truck Fill System: automated system for truck fill with stack blending capabilities, works independent of brine making, Expandable to blend up to 3 products, note single product loadout is standard. Simple installation of equipment modular design.

MFG: Brine Masters

Model: TF-S

Production Rate: Up to 122 GPM

1 – Product Blending (Brine) optional up to 3 products

Blend System Standard Feature:

- Fully Automated with self-diagnostics
- Simple “Start / button” operation with Touch screen for system dashboard information and enter of user PIN
- Data Logging – volume, Product, date Time, system Status
- 122 GPM Flow Rate
- Fully Automated
- Outdoor Touch Screen interface for enter of PIN and User feed back information
- 304 SS Constructed Frame
- 220V single phase or 3 phase motor available at no additional charge TBD per site
- Cast Stainless steel Pump
- Remote Access thru cell gateway
- UL Listed Controls and Control Cabinet
- Polycarbonate NEMA 4x Electric enclosure

Options not In the base bid price of truck fill:

- Additional Product for blending capability \$1,242 per additional product
- 18X18X18” SS Toolbox option built in \$1,184 / ea.