

BID 042-24 (PAD) / Total Cost of Ownership (TCO)

Item	Manufacturer	Bid Item No.	Basic or Alternate	Transformer Size and Voltage	No Load Loss (Watts)	Load Losses (Watts)	Initial Transformer Cost (Bid Submittal Cost)	TCO	+5% of Lowest TCO	Meet Specifications
1										
2										
3										
4	R&D Marketing									
5	Eglerise Electric	1	Basic	1Φ 75KVA, 13.8KV, 120/240V	52	1000	\$ 2,746.00	\$ 4,072.23	\$ 4,275.84	Yes
6		2	Basic	1Φ 100KVA, 13.8KV, 120/240V	70	1150	\$ 3,341.00	\$ 5,012.88	\$ 5,263.53	Yes
7										
8	ECB Solutions	1	Basic	1Φ 75KVA, 13.8KV, 120/240V	100	450	\$ 10,500.00	\$ 12,198.64	\$ 4,275.84	No
9		2	Basic	1Φ 100KVA, 13.8KV, 120/240V	120	620	\$ 12,500.00	\$ 14,584.62	\$ 5,263.53	No
10										
11										
12	Benson Guam Ent	1	Basic	1Φ 75KVA, 13.8KV, 120/240V	60	710	\$ 3,608.08	\$ 4,881.69	\$ 4,275.84	Yes
13		2	Basic	1Φ 100KVA, 13.8KV, 120/240V	65	950	\$ 3,815.14	\$ 5,299.45	\$ 5,263.53	Yes
14	EC Insulators	1	Alt	1Φ 75KVA, 13.8KV, 120/240V	137	783	\$ 4,895.00	\$ 7,318.41	\$ 4,275.84	Yes
15		2	Alt	1Φ 100KVA, 13.8KV, 120/240V	162	962	\$ 5,960.00	\$ 8,846.52	\$ 5,263.53	Yes
16										
17										
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34										

NOTE: AS PER GPA SPEC 6.0 (LOSS EVALUATION)

3 A Band of Equivalence method will be used when evaluating the total cost for owning and operating transformer. Transformers with a TCO that is within 5% of the transformer with the lowest TCO will be considered equivalent. The transformer with the lowest purchase price within this band shall be considered the lowest bid.

$$CO = IC + A \times (P_o + P_{ca}) + B \times (P_o + P_{ca} - P_{ca})$$

Where:

P_o No Load Losses (NLL) in kW

P_{ca} Power Consumption of Cooling Equipment or No Load Operation

P_{ca} Power Consumption of Cooling Equipment or Retired Power Operation

P_{ca} Power Consumption of Cooling Equipment or Retired Power Operation

IC Initial Transformer Cost

$$A = \frac{X \times C_{e2} \times (1 - (1 / (1 + i))^n)}{i}$$

$$B = \frac{u \times X \times C_{e2} \times (1 - (1 / (1 + i))^n)}{i}$$

u k²

i Is the Operating Hours per Year

i Is the Discount Rate

n Is the Expected Lifetime of the Transformer in Years

n Is the Cost of energy at the Mid-Life of the Transformer

C_{e2} Note: If Annual increase of energy price is assumed to be constant, C_{e2} can be calculated using C₁ & n

$$C_{e2} = C_1 \times (1 + i)^n / (1 + i)^n$$

C Is the Initial Cost of Energy (\$)

i Is the Annual Increase of Energy Price (%)

k Is the Average Loading of the Transformer During it's Lifetime

Transformer Size and Voltage	Lowest TCO	+ 5%
1Φ 75KVA, 13.8KV, 120/240V	\$ 4,072.23	\$ 4,275.84
1Φ 100KVA, 13.8KV, 120/240V	\$ 5,012.88	\$ 5,263.53
...		

EC 5-8-24
WJ 5/8/24

NUMBER OF INVITATIONS ISSUED:

4

NUMBER OF BIDS RECEIVED:

3



PROCUREMENT DIVISION

GUAM POWER AUTHORITY

ABSTRACT OF BIDS

INVITATION NUMBER:

GPA-042-24

OPENING DATE:

03/19/2024

OPENING TIME:

10:00a.m.

DESCRIPTION OF SUPPLIES OR SERVICES:

Pole Mounted Transformers

BIDDER

No.: [1] Vendor Name: R+D Marketing

Bound Paper Original Qty. 2100

Bound Paper Copies Qty. 2

BID GUARANTEE:

Bid Bond #: _____ Amount: \$ _____

Certificate of Authority Power of Attorney

Standby Letter of Credit # _____ Amount \$ _____

Letter of Credit # 01-SB-1966 Amount \$ 14,200.00

Cashier's or Certified Check # _____ Amount \$ _____

Wire Transfer

Affidavits (Original Form)

Affidavits (Copy Form): Originals submitted with _____

Ownership & Interest Disclosure Non-Collusion No Gratuities or Kickbacks

Ethical Standards Wage Determination Restriction Against Sex Offenders

Business License Contractors License 53 Contingent Fees

Local Procurement Signed and Submitted

Literature

	LINE ITEM 1	LINE ITEM 2	LINE ITEM 3	LINE ITEM 4	LINE ITEM 5
DESCRIPTION	<u>75 KVA Pole Mounted Transformer</u>	<u>100 KVA Pole Mounted Transformer</u>			
QTY.	<u>10</u>	<u>20</u>			
UNIT	<u>Each</u>	<u>Each</u>			
DELIVERY	<u>36 weeks After Approval Drawings by GPA</u>	<u>36 weeks After Approved Drawings by GPA</u>			
BASIC					
UNIT COST	<u>2,746.00</u>	<u>3,341.00</u>			
PART NUMBER					
CATALOG NUMBER	<u>DLH15-75/13.8-0.24</u>	<u>DLH15-100/13.8-0.24</u>			
MANUFACTURER	<u>Eagle Rise Electric + Electronic China Co.</u>	<u>Eagle Rise Electric + Electronic China Co.</u>			
DELIVERY	<u>AS SPECIFIED</u>	<u>AS SPECIFIED</u>			
TOTAL LUMP SUM					
ALTERNATE					
UNIT COST					
PART NUMBER					
CATALOG NUMBER					
MANUFACTURER					
DELIVERY					
TOTAL LUMP SUM					

I hereby certify that all bids received in response to this invitation were opened under my personal supervision, and that the names of all bidders have been entered herein.

[Signature]
SIGNATURE

[Signature]

[Signature]

Basis For Award	
<input type="checkbox"/>	Lowest Responsive Bidder
<input type="checkbox"/>	Tie Bid
<input type="checkbox"/>	Only Bid
<input type="checkbox"/>	Other Than Lowest Responsive Bidder

TABULATED BY: Arifunas DATE: 03/19/24

NUMBER OF INVITATIONS ISSUED:

4

NUMBER OF BIDS RECEIVED:

3



PROCUREMENT DIVISION
GUAM POWER AUTHORITY

INVITATION NUMBER:

GPA-042-24

OPENING DATE:

03/19/2024

OPENING TIME:

10:00 a.m.

ABSTRACT OF BIDS

DESCRIPTION OF SUPPLIES OR SERVICES:

Pole Mounted Transformers

	LINE ITEM 1	LINE ITEM 2	LINE ITEM 3	LINE ITEM 4	LINE ITEM 5
DESCRIPTION	75 kVA Pole Mounted Transformer	100 kVA Pole Mounted Transformer			
QTY.	10	20			
UNIT	Each	Each			
DELIVERY	26 weeks after approved drawings by GPA	26 weeks after approved drawings by GPA			
BASIC					
UNIT COST	10,500.00	12,500.00			
PART NUMBER					
CATALOG NUMBER	New 75 kVA Pole mount	New 100 kVA Pole mount			
MANUFACTURER	Tie Zhou Power	Tie Zhou Power			
DELIVERY	26 weeks after approved drawing	26 weeks after approved drawing			
TOTAL LUMP SUM					
ALTERNATE					
UNIT COST					
PART NUMBER					
CATALOG NUMBER					
MANUFACTURER					
DELIVERY					
TOTAL LUMP SUM					

BIDDER

No.: 2 Vendor Name: Ellis Bledsoe
ECB SOLUTIONS, LLC
 Bound Paper Original Qty. 1
 Bound Paper Copies Qty. 2
 BID GUARANTEE:
 Bid Bond #: _____ Amount: \$ _____
 Certificate of Authority Power of Attorney
 Standby Letter of Credit # _____ Amount \$ _____
 Letter of Credit # _____ Amount \$ _____
 Cashier's or Certified Check # _____ Amount \$ _____
 Wire Transfer
 Affidavits (Original Form)
 Affidavits (Copy Form): Originals submitted with _____
 Ownership & Interest Disclosure Non-Collusion No Gratuities or Kickbacks
 Ethical Standards Wage Determination Restriction Against Sex Offenders
 Business License Contractors License Contingent Fees
 Local Procurement Signed and Submitted
 Literature

I hereby certify that all bids received in response to this invitation were opened under my personal supervision, and that the names of all bidders have been entered herein.

[Signature]
 SIGNATURE

[Initials]

Basis For Award	
<input type="checkbox"/>	Lowest Responsive Bidder
<input type="checkbox"/>	Tie Bid
<input type="checkbox"/>	Only Bid
<input type="checkbox"/>	Other Than Lowest Responsive Bidder

TABULATED BY: [Signature] DATE: 3/19/24

PAGE 2 OF 3

NUMBER OF INVITATIONS ISSUED:

4

NUMBER OF BIDS RECEIVED:

3

INVITATION NUMBER:

GPA-042-24

OPENING DATE:

03/19/2024

OPENING TIME:

10:00 a.m.



PROCUREMENT DIVISION
GUAM POWER AUTHORITY

ABSTRACT OF BIDS

DESCRIPTION OF SUPPLIES OR SERVICES:

Pole Mounted Transformers

	LINE ITEM 1	LINE ITEM 2	LINE ITEM 3	LINE ITEM 4	LINE ITEM 5
DESCRIPTION	<u>75 KVA Pole Mounted Transformer</u>	<u>100 KVA Pole Mounted Transformer</u>			
QTY.	<u>10</u>	<u>20</u>			
UNIT	<u>Each</u>	<u>Each</u>			
DELIVERY	<u>24 Weeks After Approved Drawings by GPA</u>	<u>24 Weeks After Approved Drawings by GPA</u>			
BASIC					
UNIT COST	<u>3,608.08</u>	<u>3,815.14</u>			
PART NUMBER					
CATALOG NUMBER	<u>75120/240POLE</u>	<u>100120/240POLE</u>			
MANUFACTURER	<u>Ever Power</u>	<u>Ever Power</u>			
DELIVERY	<u>as specified</u>	<u>as specified</u>			
TOTAL LUMP SUM					
ALTERNATE					
UNIT COST	<u>4,895.00</u>	<u>5,960.00</u>			
PART NUMBER					
CATALOG NUMBER	<u>75120/240POLE</u>	<u>100120/240POLE</u>			
MANUFACTURER	<u>EC Insulator</u>	<u>EC Insulator</u>			
DELIVERY	<u>as specified</u>	<u>as specified</u>			
TOTAL LUMP SUM					

BIDDER

No.: (3) Vendor Name: Benson Guam Enterprises Inc.

Bound Paper Original Qty. 2
 Bound Paper Copies Qty. 2

BID GUARANTEE:
 Bid Bond #: AGA-5068-B Amount: \$ 15%

Certificate of Authority Power of Attorney
 Standby Letter of Credit # _____ Amount \$ _____
 Letter of Credit # _____ Amount \$ _____
 Cashier's or Certified Check # _____ Amount \$ _____
 Wire Transfer

Affidavits (Original Form)
 Affidavits (Copy Form): Originals submitted with GPA-0310-24

Ownership & Interest Disclosure Non-Collusion No Gratuities or Kickbacks
 Ethical Standards Wage Determination Restriction Against Sex Offenders
 Business License Contractors License 53 Contingent Fees
 Local Procurement Signed and Submitted
 Literature

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[Signature]
 SIGNATURE

[Handwritten initials]

Basis For Award	
<input type="checkbox"/>	Lowest Responsive Bidder
<input type="checkbox"/>	Tie Bid
<input type="checkbox"/>	Only Bid
<input type="checkbox"/>	Other Than Lowest Responsive Bidder

TABULATED BY: [Signature]

DATE: 03/19/24