

FINANCIAL COMPONENT ENVELOPE

- j. Financial Bid Form
- k. Scope of Work
- l. Bill of Quantities
- m. Detailed Estimates
- n. Summary Sheet
- o. Cash Flow by Quarter

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date / Time)

Chairperson: _____
Vice-Chairperson: _____
Member: _____
Member: _____
Member: _____
Member: _____
Divisional Head: _____

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Bid Form for the Infrastructure Projects
(shall be submitted with the Bid)

BID FORM

Date : October 6, 2023
Project Identification No.: GA-BAC-2023C-IP-57

To: THE CHAIRPERSON
Bids and Awards Committee
Government Arsenal
Lamiao, Limay, Bataan

Having examined the Philippine Bidding Documents (PBDs) including the supplemental or Bid Bulletin Numbers, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the (PBDs) including the Supplemental or Bid Bulletins, for the Procurement Project : Lot II-Electrical Works at CBD Annealing Machine;
- b. We offer to execute the Works of this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is:

PESOS: EIGHT MILLION FOUR HUNDRED FIFTY THOUSAND TWO HUNDRED SEVENTY EIGHT AND THIRTEEN CENTAVOS (P 8,450,278.13).

- d. The discounts offered and the methodology for their application are: N/A
- e. The total bid price includes the cost of all taxes, such as, but not limited to (value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties) which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid for a period of (120) days from the date fixed for the Bid Submission deadline in accordance with the Bidding Documents and it shall remain Binding upon us and maybe accepted at any time before the expiration of that period.
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of (30%) percent of the Contact Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a Formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid and to sign and execute the ensuing contract for the **Lot II-Electrical Works at CBD Annealing Machine** of the Government Arsenal;

l. We acknowledge that failure to sign each in every page of this Bid Form, including the Bill of Quantities shall be ground for the rejection of our bid.

Name
In capacity of
Signed
Duly authorized to sign the Bid for and in behalf of
Date

: ALLAN O. BATUNGBACAL
: Owner/Manager
: BQA CONSTRUCTION AND TRADING
: October 6, 2023

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date / Time)

Chairperson:

Vice-Chairperson:

Member:

Member:

Member:

Member:

LOT II - ELECTRICAL WORKS AT CBD ANNEALING MACHINE**ARTICLE I – STATEMENT OF WORK**

- A. The work covered by this specification consists of the supply of labor, materials, consumables, tools/instruments, equipment, supervision and other services required to complete the Electrical Works at CBD Annealing Machine project, all in accordance with Articles I, II, III and IV of this Job Specification.
- B. The work shall be undertaken at Government Arsenal, Camp General Antonio Luna, Lamao, Linay, Bataan.

ARTICLE II – SCOPE OF WORK

- A. The scope of work for this Job Specification and Contract Agreement encompasses all effort necessary to complete the construction and commissioning of facilities for the ELECTRICAL WORKS AT CBD ANNEALING MACHINE project. The Contractor shall provide all materials and consumables, labor, tools/instruments, equipment, supervision and other services required and perform all work necessary for the complete execution of all the work.

- B. The work and specifications shall include but not limited to the following:

I GENERAL REQUIREMENTS

- 1 Mobilization/Demobilization
- 2 Provision of Safety and Health Program
- 3 Provision for temporary cover of existing machines for hotworks

II WELDING AND FABRICATION WORKS FOR CABLE TRAY

- 4 Supply and installation of cable tray
- 5 Welding and fabrication of steel hanger
- 6 Painting of cable tray and fabricated steel hanger

III ELECTRICAL WORKS

- 7 Electrical works to include load side wiring from the source, 1500kVA transformer 13.8kV/220V

IV CLEAN-UP

- 8 Hauling of excess materials and scraps (inside GA)
- 9 Hauling/Clean-up of waste materials with no scrap value (outside GA)

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

1 lot (Project)
1 lot
255 sq.m
(Date / Time)

Chairperson: _____
Vice-Chairperson: _____
Member: 1 lot _____
Member: 1 lot _____
Member: _____
Member: _____
Provisional 511 sq.m

- C. The Contractor shall furnish other work not explicitly cited in the drawings and specifications but is reasonably implied and required for the completion of the work under the Job Specification such as housekeeping/clean-up of work site at all times, restoration of damaged facilities and equipment affected during the performance of the above work.

ARTICLE III – SPECIFICATIONS

- 1. Angle Bar and C- Channel - Shall conform to ASTM A-36 standards, free from rust and dirt
- 2. Paints - Shall be Epoxy primer grey with QDE Aluminum silver finished for newly installed Cable tray/Cable tray hanger
- 3. Electricals – Shall be provided as follows;

Main Feeder;

- a. A three phase main circuit breaker with a rating of 1400 AT should be installed and connected to the 1500 KVA transformer source
- b. Three (3) sets of 3 # 200mm² THHN/THWN wires should be used as feeder wire serving the main circuit breaker.

Panel Board;

- c. Panel board for the equipment
 - i. Main CB:
 - 1. 1 – 1400AT 3 Pole
 - ii. Branch CB:
 - 1. 1 – 900AT 3 Pole
 - 2. 2 – 500AT 3 Pole

- d. Three (3) sets of 3 # 200mm² THHN/THWN wires should be used for the supply of panel board and will be installed to the existing cable tray.

Cable Tray;

- e. A new cable tray will be installed to support the conductors serving three equipment.
 - i. 500mm width prefabricated cable tray which supports a total of 12 conductors.
 - ii. 300mm width prefabricated cable tray which supports a total of 8 conductors (going to annealing and pickling machine).

Equipment Wire Sizes;

- f. Annealing: 3 # 175mm² THHN; 1 # 60mm² THHN
- g. Pickling: 3 # 80mm² THHN; 1 # 30mm² THHN
- h. Degreasing: 3 # 80 mm² THHN; 1 # 30mm² THHN

GOVERNMENT ARSENAL
BIDS AND AWARD COMMITTEE

(Date / Time)

Chairperson: _____
Member: _____
Member: _____
Member: _____
Provisional member: _____

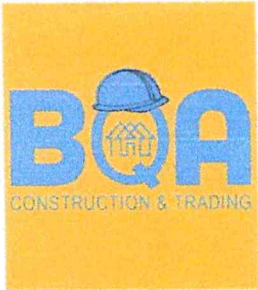
ARTICLE IV – COMPLETION

The project shall be completed within 120 CALENDAR days from receipt of Notice to Proceed (NTP).

Conformed by:

Name of Firm / Contractor: BGA CONSTRUCTION AND TRADING
Name and Signature of Authorized Representative: ALLAN Q. BATUNGBACAL
Date: Oct. 6, 2023

[Handwritten signatures]



BQA CONSTRUCTION AND TRADING

Doña Francisca, Balanga City, Bataan

09399104162

bqaconst_trading@yahoo.com

GA-BAC-2023-IP-57

Lot II-Electrical Works at CBD Annealing Machine
BILL OF QUANTITIES

ITEM NO.	SCOPE OF WORK & SPECIFICATIONS	QTY	UNIT	UNIT COST	TOTAL COST
I	GENERAL REQUIREMENTS				
1	Mobilization/Demobilization	1	lot	62,500.00	62,500.00
2	Provision of Safety And Health Program	1	lot	143,750.00	143,750.00
3	Provision for temporary cover of existing machines for hotworks	255	sq.m	202.50	51,637.50
II	WELDING AND FABRICATLON WORKS FOR CABLE TRAY				
4	Supply and installation of cable tray	41.66	lm	9,484.59	395,128.13
5	Welding and fabrication of steel hanger	1	lot	57,712.50	57,712.50
6	Painting of cable tray and fabricated steel hanger	1	lot	19,254.38	19,254.38
III	ELECTRICAL WORKS				
7	Electrical works to include load side wiring from the source, 1500kVA transfonner 13.8kV/220V	511	sq.m	15,061.98	7,696,670.63
IV	CLEAN-UP				
8	Hauling of excess materials and scraps (inside GA)	1	lot	11,812.50	11,812.50
9	Hauling/Clean-up of waste materials with no scrap value (outside GA)	1	lot	11,812.50	11,812.50
Total Cost of Project:					8,450,278.13

Note: VAT - 5%

BQA CONSTRUCTION AND TRADING

Signature Over Printed Name of Bidder

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date / Time)

Chairperson: _____

Vice-Chairperson: _____

Member: _____

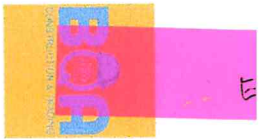
Member: _____

Member: _____

Member: _____

Provisional Member: _____

af



BQA CONSTRUCTION AND TRADING
Doña Francisca, Balanga City, Batangas
09399104162
bqaconsttrading@yahoo.com

Project Name: Lot II-Electrical Works at CBD Annealing Machine
Location : Lamao, Limay, Bataan

ITEM NO.	DESCRIPTION	QTY	UNIT	DETAILED ESTIMATE									
				(MATERIALS) COST	TOTAL MATERIAL COST	(LABOR & EQP.) COST	TOTAL LABOR COST	SUBTOTAL	MARK-UP (10%)	OCM(10%)	VAT (5%)	UNIT COST	AMOUNT
I. GENERAL REQUIREMENTS													
1	Mobilization/demobilization	1	lot	40,000.00	40,000.00	10,000.00	10,000.00	50,000.00	5,000.00	5,000.00	2,500.00	62,500.00	62,500.00
Sub-Total													62,500.00
2	Provision of Safety And Health Program	1	lot	19,000.00	19,000.00	96,000.00	96,000.00	115,000.00	11,500.00	11,500.00	5,750.00	143,750.00	143,750.00
Sub-Total													143,750.00
3	Provision for temporary cover of existing machines for lockworks	2.55	sq.m	120.00	30,600.00	42.00	10,710.00	41,310.00	4,131.00	4,131.00	2,065.50	51,637.50	51,637.50
Sub-Total													51,637.50
II. WELDING AND FABRICATION WORKS FOR													
4	Supply and installation of cable tray	41.66	lm										
	Cable Tray 500mmx100mmx1m	20	lm	4,200.00	84,000.00	1,470.00	29,400.00	113,400.00	11,340.00	11,340.00	5,670.00	141,750.00	141,750.00
	Cable Tray 300mmx100mmx1m	39	lm	3,850.00	150,150.00	1,347.50	52,552.50	202,702.50	20,270.25	20,270.25	10,135.13	6,496.88	253,328.13
Sub-Total													395,128.13
5	Welding and fabrication of steel hanger	1	lot	100.00	14,000.00	35.00	4,900.00	18,900.00	1,890.00	1,890.00	945.00	168.75	23,625.00
	Red suspension hanger	24.00	pes	750.00	18,000.00	262.50	6,300.00	24,300.00	2,430.00	2,430.00	1,215.00	1,265.63	30,375.00
	Angle bar 2"x4"x 3mm welding rod	20.00	kg	110.00	2,200.00	38.50	770.00	2,970.00	297.00	297.00	148.50	185.63	3,219.50
Sub-Total													57,172.50
6	Painting of cable tray and fabricated steel hanger	1	lot	850.00	3,400.00	297.50	1,190.00	4,590.00	459.00	459.00	229.50	1,434.38	5,287.50
	Exoxy Primer Grey	8	gal	920.00	7,360.00	322.00	2,576.00	9,936.00	993.60	993.60	496.80	1,552.50	12,480.00
	OPB Silver	5	gal	85.00	425.00	29.75	148.75	573.75	57.38	57.38	28.69	143.44	717.19
	Brush 3"	5	gal	45.00	225.00	15.75	78.75	303.75	30.38	30.38	15.19	75.94	376.69
Sub-Total													19,254.38
III. ELECTRICAL WORKS													
7	Electrical work to include cable cable wiring from the source, 1500KVA transformer 13.8KV/220V	511	sq.m										
	Copper Wire Thin 200mm	2118	mtrs	1,525.00	3,229,950.00	533.75	1,130,482.50	4,360,432.50	436,043.25	436,043.25	218,021.63	2,573.44	5,450,540.63
	Copper Wire Thin 150mm	210	mtrs	1,100.00	231,000.00	385.00	80,850.00	311,850.00	31,185.00	31,185.00	15,592.50	1,656.25	389,812.50
	Copper Wire Thin 10mm	510	mtrs	453.00	232,050.00	159.25	81,217.50	313,267.50	31,326.75	31,326.75	15,663.38	76.81	391,594.38
	Copper Wire Thin 60mm	243	mtrs	425.00	103,275.00	148.75	36,146.25	139,421.25	13,942.13	13,942.13	6,971.06	717.19	174,276.55
	Copper Wire Thin 30mm	216	mtrs	470.00	101,520.00	164.50	35,532.00	137,052.00	13,705.20	13,705.20	6,852.60	793.13	171,315.00
	Copper Wire Thin 15mm	138	mtrs	190.00	26,220.00	66.50	9,177.00	35,397.00	3,539.70	3,539.70	1,769.85	320.63	44,246.25
	Copper Wire Thin 175mm	216	mtrs	1,260.00	272,160.00	441.00	95,256.00	367,416.00	36,741.60	36,741.60	18,370.80	2,126.25	459,270.00
	Angle bar 10mmx2	34	pes	750.00	25,500.00	262.50	6,925.00	36,425.00	3,642.50	3,642.50	1,721.25	1,861.63	43,091.45
	Mechanical line 200mm 240lb	12	pes	470.00	8,400.00	164.50	1,316.00	5,076.00	507.60	507.60	253.80	793.13	14,175.00
	Mechanical line 150mm 240lb	8	pes	400.00	3,200.00	140.00	1,120.00	4,320.00	432.00	432.00	216.00	675.00	5,400.00
	Mechanical line 60mm 240lb	3	pes	460.00	1,380.00	161.00	483.00	1,863.00	186.30	186.30	93.15	776.25	2,328.75
	Mechanical line 175mm 240lb	3	pes	770.00	2,310.00	269.50	808.50	3,118.50	311.85	311.85	155.93	1,299.38	3,896.13
	Reinforcing 160mmxw/ Nema 3R	1	set	155.00	155.00	54.25	54.25	209.25	20.93	20.93	10.46	261.56	261.56
	ACSR #10 AWG 6/10KTS	1000	pes	50.00	50,000.00	17.50	17,500.00	67,500.00	6,750.00	6,750.00	3,375.00	84.38	84,375.00
	MOP 160GA W7 branches 2-500A 3P 1-1000A 3P W/ Nema 3r	1	set	260,000.00	260,000.00	91,000.00	91,000.00	351,000.00	35,100.00	35,100.00	17,550.00	438,750.00	438,750.00
	Reinforcing	4	pes	1,380.00	5,520.00	483.00	1,932.00	7,452.00	745.20	745.20	372.60	2,328.75	9,315.00
	Line 3x350	3	pes	1,150.00	3,450.00	402.50	1,207.50	4,657.50	465.75	465.75	232.88	1,940.63	5,621.88
	Line 2x350	2	pes	570.00	1,140.00	199.50	399.00	1,539.00	153.90	153.90	76.95	961.88	1,923.75
Sub-Total													7,096,670.63
IV. C.I.E.N.A.I.P													
8	Handling of excess materials and scraps (inside QA)	1	lot	7,000.00	7,000.00	2,450.00	2,450.00	9,450.00	945.00	945.00	472.50	11,812.50	11,812.50
9	Handling/Clean-up of waste materials with no scrap value (outside QA)	1	lot	7,000.00	7,000.00	2,450.00	2,450.00	9,450.00	945.00	945.00	472.50	11,812.50	11,812.50
Sub-Total													11,812.50
Sub-Total													11,812.50
Total Campo Project													8,450,278.13

BQA CONSTRUCTION AND TRADING
Signature Over Financial State of Bidder

BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date / Time)

Chairperson:

Vice-Chairperson:

Member:

Member:

Member:

Member:

Member:

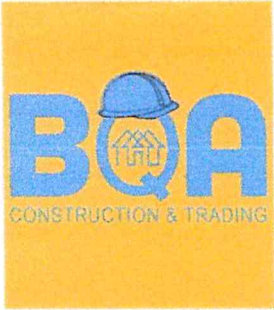
Member:

Member:

Member:

Member:

Member:



BQA CONSTRUCTION AND TRADING

Doña Francisca, Balanga City, Bataan

09399104162

bqaconst_trading@yahoo.com

GA-BAC-2023-IP-57

Lot II-Electrical Works at CBD Annealing Machine
SUMMARY SHEET

ITEM NO.	SCOPE OF WORK & SPECIFICATIONS	QTY	UNIT	TOTAL COST
I	GENERAL REQUIREMENTS			
1	Mobilization/Demobilization	1	lot	62,500.00
2	Provision of Safety And Health Program	1	lot	143,750.00
3	Provision for temporary cover of existing machines for hotworks	255	sq.m	51,637.50
II	WELDING AND FABRICATLON WORKS FOR CABLE TRAY			
4	Supply and installation of cable tray	41.66	Im	395,128.13
5	Welding and fabrication of steel hanger	1	lot	57,712.50
6	Painting of cable tray and fabricated steel hanger	I	lot	19,254.38
III	ELECTRICAL WORKS			
7	Electrical works to include load side wiring from the source, 1500kVA transfonner 13.8kV/220V	511	sq.m	7,696,670.63
IV	CLEAN-UP			
8	Hauling of excess materials and scraps (inside GA)	1	lot	11,812.50
9	Hauling/Clean-up of waste materials with no scrap value (outside GA)	1	lot	11,812.50
Total Cost of Project:				8,450,278.13

Note: VAT - 5%

BQA CONSTRUCTION AND TRADING
Signature Over Printed Name of Bidder

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date / Time)

Chairperson: _____

Vice-Chairperson: _____

Member: _____

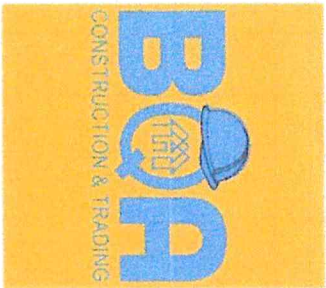
Member: _____

Member: _____

Member: _____

Provisional Member: _____

af ✓



BOA CONSTRUCTION AND TRADING

Doña Francisca, Balanga City, Bataan

09399104162

bgaconsttrading@yahoo.com

Project Name: Lot II-Electrical Works at CBD Annealing Machine

Location : Lamao, Limay, Bataan

GOVERNMENT ARSENAL
BIDS and AWARDS COMMITTEE

(Project)

VERIFIED

(Date Time)

Chairperson: _____
Vice-Chairperson: _____
Member: _____
Member: _____
Member: _____
Member: _____
Provisional Member: _____

CASH FLOW QUARTER AND PAYMENT SCHEDULE

	CALENDAR DAYS			
	1ST QUARTER 30	2ND QUARTER 60	3RD QUARTER 90	4TH QUARTER 120
Amount	₱2,535,083.44	₱1,690,055.63	₱2,535,083.44	₱1,690,055.63
Cumulative Amount	₱2,535,083.44	₱4,225,139.06	₱6,760,222.50	₱8,450,278.13
Percentage(%)	30%	20%	30%	20%
Cumulative Percentage(%)	30%	50%	80%	100%

BOA CONSTRUCTION AND TRADING

Signature Over Printed Name of Bidder