

July 31, 2018

BIDS AND AWARDS COMMITTEE

Supplemental Bid Bulletin 4

**2018 BEFF ELECTRIFICATION OF UN-ENERGIZED SCHOOLS AND ELECTRICAL SYSTEMS
ON-GRID SCHOOLS, BATCH 2**

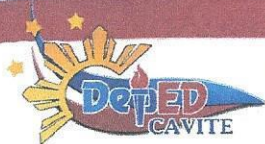
The Department of Education – Division of Cavite Province Bids and Awards Committee hereby decides to include, revise, amend, delete and / or adapt the following provisions of the Bidding Documents relative to:

- 2018 BEFF Electrification and Electrical Systems of Alfonso National High School.
- 2018 BEFF Electrification and Electrical Systems of Amadeo National High School.
- 2018 BEFF Electrification and Electrical Systems of Tanza Trade National High School.
- Receipt and Opening of Bids is on August 8, 2018, Wednesday, 9:00am at Silid Ugnayan, Dep Ed Division of Cavite.
- Attached herewith are the Corrected Program of Works.

Amendments / inclusions /clarifications made herein shall be considered integral part of the bidding documents.

For guidance and information of all concerned.

ELIAS A. ALICAYA, JR
BAC, Chairperson



Republic of the Philippines
Department of Education
 Region IV-A (CALABARZON)
Division of Cavite
 Trece Martires City, Cavite



Certificate Number: AJA17-0083

PROGRAM OF WORKS

DepEd- BEFF-ELECTRIFICATION Region IV-A Division of Cavite Province

School: Tanza Trade National High School	Date: FEBRUARY 23, 2018
School I.D: 307817	Budget Allocation: PHP 2,323,809.54
Region: CALABARZON	Engineering and Administrative Overhead: PHP 11,561.24
Division: CAVITE PROVINCE	Approved Budget for Contract: PHP 2,312,248.30
Project Title:	Completion Period: 65 Calendar Days

**CY 2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING
 CLASSROOM**

Minimum Required Manpower:
 Project Engineer Registered Master Electrician
 Const. Foreman Steelman Laborer
 Professional Electrical Engineer

Plan: **Minimum Required Equipment:**

Location: Tanza - Trece Martires Rd, Tanza, Cavite

Hand Tools Welding Machine
 Pipe Bending

Item I.D.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
A.	General Requirements		lot	1.00		
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)						
A	Transformer and It's Accessories		lot	1.00		
B	Electrical Works		lot	1.00		
STEEL ELECTRIC POSTS						
A	Concrete Electric Post		lot	1.00		
B	Rebar Works		lot	1.00		
C	FormWorks		lot	1.00		
	Sub-Total					
	II. INDIRECT COST ____% of (I)					
	Overhead Expenses (____%)					
	Contingencies (____%)					
	Miscellaneous (____%)					
	Contractor's Profit (____%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

Prepared by:

 Contractor's Representative

PROJECT : CY-2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING CLASSROOMS
SCHOOL : TANZA NATIONAL TRADE SCHOOL
LOCATION: Tanza - Trece Martires Rd, Tanza, Cavite
OWNER : DEPARTMENT OF EDUCATION
SUBJECT : APPROVED BUDGET FOR CONTRACT

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Security Deposit,, Electrical Plan(Voltage Drop Calculation, Short Circuit Calculation & Schedulee of Loads) & Structural Plan of Steel Concrete Posts	lot	1.00					
	Safety and Health	lot	1.00					
	Sub-total							
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)								
A	Transformer and It's Accessories							
	MERALCO Application for Transformer complete with Installation and accessories (with 200% future load allowance and 80% demand factor	pc	1.00					
	Sub-total							
B	Electrical Works							
	125 mm ² THW Wire, Stranded	m	785.00					
	60 mm ² THW Wire, Stranded	m	100.00					
	30 mm ² THW Wire, Stranded	m	300.00					
	22 mm ² THW Wire, Stranded	m	150.00					
	14 mm ² THW Wire, Stranded	m	500.00					
	8 mm ² THW Wire, Stranded	m	580.00					
	400A, 3P Molded Case Circuit Breaker GE Brand	pc	1.00					
	NEMA Type 4x Single-Door Electrical Enclosures	pc	1.00					
	Service Entrance Cap 2-1/2" (Diecast Aluminum)	pc	1.00					
	Intermediate Metal Conduit (IMC) 2-1/2"	pc	1.00					
	Intermediate Metal Conduit (IMC) Elbow 2-1/2"	pc	1.00					
	Intermediate Metal Conduit (IMC) L&B 2-1/2"	pc	1.00					
	Solderless Connector	pc	42.00					
	Grounding Clamp 5/8"Ø	pc	1.00					
	Grounding Rod 5/8"Ø x 8"	pc	1.00					
	Electrical Tape	pc	25.00					
	Rubber Tape	pc	25.00					
	Sub-total							
STEEL ELECTRIC POSTS								
A.	Concrete Electric Post	m ³	9.56					
	Portland Cement	bags	87.00					
	Crush Gravel 3/4"	m ³	9.75					
	Washed Sand	m ³	5.00					
B.	Rebar Works	kgs	1,122.84					

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
C.	FormWorks	m ²	1.32					
	Coco Lumber (2 x 3 x 14)	pcs	100.00					
	Coco Lumber (2 x 2 x 12)	pcs	120.00					
	Plywood Ordinary, 1/2" x 4' x 8'	pcs	15.00					
	CWN, Assorted	kgs	5.00					
	12mm Thk Base Plate	kgs	343.75					
	19mm Diameter Steel Anchorage	pcs	25.00					
	G.I. Pipe 3"Ø Sch.40	pcs	25.00					
	Welding Rod	kgs	5.00					
	Tie Wire #18	kgs	5.00					
	Primer, Zinc Chromate	gal	3.00					
	Secondary Rack, 4W	pcs	25.00					
	Sub-total							
I.	MATERIALS (VAT inclusive)							
II.	LABOR							
I.	DIRECT COST							
II.	INDIRECT COST % of (I)							
III.	TAX 5% of (I+II)							
IV.	TOTAL CONSTRUCTION COST (I+II+III)							

Prepared by:

Contractor's Representative



Republic of the Philippines
Department of Education
 Region IV-A (CALABARZON)
Division of Cavite
 Trece Martires City, Cavite



ISO 9001:2015
 Certificate Number: AJA17-0083



PROGRAM OF WORKS

DepEd- BEFF-ELECTRIFICATION Region IV-A Division of Cavite Province

School: AMADEO NATIONAL HIGH SCHOOL				Date: FEBRUARY 23, 2018		
School I.D: 301166				Budget Allocation:		
Region: CALABARZON				Engineering and Administrative Overhead:		
Division: CAVITE PROVINCE				Approved Budget for Contract: PHP 1,583,292.16		
Project Title:				Completion Period: 50 Calendar Days		
CY 2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING CLASSROOM				Minimum Required Manpower:		
				Project Engineer Registered Master Electrician		
				Const. Foreman Steelman Laborer		
				Professional Electrical Engineer		
Plan:				Minimum Required Equipment:		
Location: Crisanto M. De Los Reyes Ave, Amadeo, Cavite				Hand Tools Welding Machine		
				Pipe Bending		
Item I.D.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
	General Requirements		lot	1.00		
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)						
A	Transformer and It's Accessories		lot	1.00		
B	Electrical Works		lot	1.00		
STEEL ELECTRIC POSTS						
A	Concrete Electric Post		lot	1.00		
B	Rebar Works		lot	1.00		
C	FormWorks		lot	1.00		
	Sub-Total					
II. INDIRECT COST ____% of (I)						
	Overhead Expenses (____%)					
	Contingencies (____%)					
	Miscellaneous (____%)					
	Contractor's Profit (____%)					
	Sub-Total					
III. TAX 5% of (I+II)						
	Sub-Total					
IV. TOTAL CONSTRUCTION COST (I + II + III)						

Prepared by:

Contractor's Representative

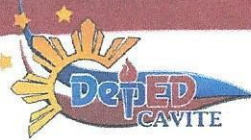
PROJECT : CY-2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING CLASSROOMS
 SCHOOL : AMADEO NATIONAL HIGH SCHOOL
 LOCATION: Crisanto M. De Los Reyes Ave, Amadeo, Cavite
 OWNER : DEPARTMENT OF EDUCATION
 SUBJECT : APPROVED BUDGET FOR CONTRACT

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Security Deposit,, Electrical Plan(Voltage Drop Calculation, Short Circuit Calculation & Schedulee of Loads) & Structural Plan of Steel Concrete Posts	lot	1.00					
	Safety and Health	lot	1.00					
	Sub-total							
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)								
A	Transformer and It's Accessories							
	MERALCO Application for Transformer complete with Installation and accessories (with 200% future load allowance and 80% demand factor	pc	1.00					
	Sub-total							
B	Electrical Works							
	125 mm ² THW Wire, Stranded	m	515.00					
	50 mm ² THW Wire, Stranded	m	145.00					
	30 mm ² THW Wire, Stranded	m	400.00					
	22 mm ² THW Wire, Stranded	m	100.00					
	14 mm ² THW Wire, Stranded	m	100.00					
	8 mm ² THW Wire, Stranded	m	220.00					
	5.5 mm ² THW Wire, Stranded	m	100.00					
	700A, 3P Molded Case Circuit Breaker GE Brand	pc	1.00					
	500A, 3P Molded Case Circuit Breaker GE Brand	pc	1.00					
	NEMA Type 4x Single-Door Electrical Enclosures	pc	2.00					
	Service Entrance Cap 3" (Diecast Aluminum)	pc	1.00					
	Service Entrance Cap 2-1/2" (Diecast Aluminum)	pc	1.00					
	Intermediate Metal Conduit (IMC) 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) 2-1/2"	pc	1.00					
	Intermediate Metal Conduit (IMC) Elbow 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) Elbow 2-1/2"	pc	1.00					
	Intermediate Metal Conduit (IMC) L&B 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) L&B 2-1/2"	pc	1.00					
	Entrance Cap 25mm dia.	pc	7.00					
	Entrance Cap 32mm dia.	pc	1.00					
	RSC 25mmØ	pc	7.00					
	RSC 32mmØ	pc	1.00					
	Intermediate Metal Conduit (IMC) 1-1/4"	pc	1.00					
	Intermediate Metal Conduit (IMC) 1"	pc	7.00					

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Intermediata Metal Conduit (IMC) Elbow 1-1/4"	pc	1.00					
	Intermediata Metal Conduit (IMC) Elbow 1"	pc	7.00					
	Solderless Connector	pc	20.00					
	Grounding Rod 5/8" Ø	pc	1.00					
	Grounding Clamp 5/8" Ø x 8'	pc	1.00					
	Electrical Tape	pc	15.00					
	Rubber Tape	pc	15.00					
	Sub-total							
STEEL ELECTRIC POSTS								
A.	Concrete Electric Post	m ³	3.06					
	Portland Cement	bags	28.00					
	Crush Gravel 3/4"	m ³	3.25					
	Washed Sand	m ³	1.75					
B.	Rebar Works	kgs	520.20					
C.	FormWorks	m ²	1.32					
	Coco Lumber (2 x 3 x 14)	pcs	32.00					
	Coco Lumber (2 x 2 x 12)	pcs	75.00					
	Plywood Ordinary, 1/2" x 4' x 8'	pcs	9.00					
	CWN, Assorted	kgs	2.00					
	12mm Thk Base Plate	kgs	110.00					
	19mm Diameter Steel Anchorage	pcs	32.00					
	G.I. Pipe 2"Ø Sch.40	pcs	8.00					
	Welding Rod	kgs	3.00					
	Tie Wire #18	kgs	2.00					
	Primer, Zinc Chromate	gal	2.00					
	Secondary Rack, 4W	pcs	8.00					
	Sub-total							
I.	MATERIALS (VAT inclusive)							
II.	LABOR							
I.	DIRECT COST							
II.	INDIRECT COST ____ % of (I)							
III.	TAX 5% of (I+II)							
IV.	TOTAL CONSTRUCTION COST (I+II+III)							

Prepared by:

Contractor's Representative



Republic of the Philippines
Department of Education
 Region IV-A (CALABARZON)
Division of Cavite
 Trece Martires City, Cavite



Certificate Number: AJA17-0083

PROGRAM OF WORKS

DepEd- BEFF-ELECTRIFICATION Region IV-A Division of Cavite Province

School: ALFONSO NATIONAL HIGH SCHOOL			Date: FEBRUARY 23, 2018			
School I.D: 301165			Budget Allocation:			
Region: CALABARZON			Engineering and Administrative Overhead:			
Division: CAVITE PROVINCE			Approved Budget for Contract: PHP 2,296,321.19			
Project Title:			Completion Period: 60 Calendar Days			
CY 2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING CLASSROOM			Minimum Required Manpower:			
			Project Engineer Registered Master Electrician			
			Const. Foreman Steelman Laborer			
			Professional Electrical Engineer			
Plan:			Minimum Required Equipment:			
Location: ALFONSO, CAVITE			Hand Tools Welding Machine			
			Pipe Bending			
Item I.D.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
	General Requirements		lot	1.00		
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)						
A	Transformer and It's Accessories		lot	1.00		
B	Electrical Works		lot	1.00		
STEEL ELECTRIC POSTS						
A	Concrete Electric Post		lot	1.00		
B	Rebar Works		lot	1.00		
C	FormWorks		lot	1.00		
Sub-Total						
II. INDIRECT COST ____% of (I)						
Overhead Expenses (____%)						
Contingencies (____%)						
Miscellaneous (____%)						
Contractor's Profit (____%)						
Sub-Total						
III. TAX 5% of (I+II)						
Sub-Total						
IV. TOTAL CONSTRUCTION COST (I + II + III)						

Prepared by:

Contractor's Representative

PROJECT : CY-2018 BEFF-ELECTRIFICATION OF SCHOOL BUILDING CLASROOMS
SCHOOL : ALFONSO NATIONAL HIGH SCHOOL (NEW SITE)
LOCATION: ALFONSO, CAVITE
OWNER : DEPARTMENT OF EDUCATION
SUBJECT : APPROVED BUDGET FOR CONTRACT

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Security Deposit,, Electrical Plan(Voltage Drop Calculation, Short Circuit Calculation & Schedulee of Loads) & Structural Plan of Steel Concrete Posts	lot	1.00					
	Safety and Health	lot	1.00					
	Sub-total							
OVERHEAD (POWER DISTRIBUTION) CABLE, TRANSFORMER & SERVICE ENTRANCES TO MAIN CIRCUIT BREAKER (MCB)								
A	Transformer and It's Accessories							
	MERALCO Application for Transformer complete with Installation and accessories (with 200% future load allowance and 80% demand factor	pc	1.00					
	Sub-total							
B	Electrical Works							
	125 mm ² THW Wire, Stranded	m	620.00					
	30 mm ² THW Wire, Stranded	m	550.00					
	22 mm ² THW Wire, Stranded	m	410.00					
	14 mm ² THW Wire, Stranded	m	560.00					
	8 mm ² THW Wire, Stranded	m	455.00					
	5.5 mm ² THW Wire, Stranded	m	350.00					
	700A, 3P Molded Case Circuit Breaker GE Brand	pc	1.00					
	250A, 3P Molded Case Circuit Breaker GE Brand	pc	1.00					
	NEMA Type 4x Single-Door Electrical Enclosures	pc	3.00					
	Service Entrance Cap 3" (Diecast Aluminum)	pc	1.00					
	Service Entrance Cap 2-1/2" (Diecast Aluminum)	pc	1.00					
	Entrance Cap 32mm dia.	pc	2.00					
	Entrance Cap 25mm dia.	pc	6.00					
	Intermediate Metal Conduit (IMC) 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) 2-1/2"	pc	1.00					
	Intermediata Metal Conduit (IMC) Elbow 1-1/4"	pc	2.00					
	Intermediata Metal Conduit (IMC) Elbow 1"	pc	6.00					
	Intermediate Metal Conduit (IMC) Elbow 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) Elbow 2-1/2"	pc	1.00					
	Intermediata Metal Conduit (IMC) Elbow 1-1/4"	pc	2.00					
	Intermediata Metal Conduit (IMC) Elbow 1"	pc	6.00					
	Intermediate Metal Conduit (IMC) L&B 3"	pc	1.00					
	Intermediate Metal Conduit (IMC) L&B 2-1/2"	pc	1.00					
	Intermediata Metal Conduit (IMC) L&B 1-1/4"	pc	2.00					

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Intermediata Metal Conduit (IMC) L&B 1"	pc	6.00					
	Solderless Connector	pc	32.00					
	Grounding Clamp 5/8"Ø	pc	2.00					
	Grounding Rod 5/8"Ø x 8"	pc	2.00					
	Electrical Tape	pc	38.00					
	Rubber Tape	pc	38.00					
	Sub-total							
STEEL ELECTRIC POSTS								
A.	Concrete Electric Post	m ³	4.59					
	Portland Cement	bags	42.00					
	Crush Gravel 3/4"	m ³	4.75					
	Washed Sand	m ³	2.50					
B.	Rebar Works	kgs	748.56					
C.	FormWorks	m ²	1.32					
	Coco Lumber (2 x 3 x 14)	pcs	88.00					
	Coco Lumber (2 x 2 x 12)	pcs	100.00					
	Plywood Ordinary, 1/2" x 4' x 8'	pcs	12.00					
	CWN, Assorted	kgs	3.00					
	12mm Thk Base Plate	kgs	151.25					
	19mm Diameter Steel Anchorage	pcs	44.00					
	G.I. Pipe 3"Ø Sch.40	pcs	12.00					
	Welding Rod	kgs	3.00					
	Tie Wire #18	kgs	3.00					
	Primer, Zinc Chromate	gal	2.00					
	Secondary Rack, 4W	pcs	12.00					
	Sub-total							
I.	DIRECT COST							
II.	INDIRECT COST ____% of (I)							
III.	TAX ____% of (I+II)							
IV.	TOTAL CONSTRUCTION COST (I+II+III)							

Prepared by:

Contractor's Representative