## **BILL OF QUANTITIES**

Project: SUPPLY AND INSTALLATION OF 1.5 MVA DISTRIBUTION TRANSFORMER FOR THE OCA ASEANA BUILDING

Duration: 250 Calendar Days

ITEM NO.		250 Calendar Days	QTY.	UNIT			DIRECT COST		
HEWING.			QIY.	UNII	MATERIAL	LABOR	EQUIPMENT	UNIT COST	TOTAL COST
		GENERAL REQUIREMENTS							
	A.	Mobilization/ Demobilization	1	lot				0	0
	В.	Temporary Facilities (Offices, work shops, storage, office supplies and	1	lot				0	0
	В.	workmen accomodation for contractor)	1	101				U	l <sup>o</sup>
	С	Processing of necessary Permits, Clearances, and Certificates	1	lot				0	0
	D	Taxes, Fees and Charges (includuding importation tax, fees and other	1	lot				0	0
	_	charges applicable)	1	iot				U	U
	E	Bonds, Sureties & Insurances	1	lot				0	0
		Produce and print Bill of Materials, Bill of Quantities and Five (5) sets signed							
	F.	and sealed As-Built Drawings in blueprint and A3 size of papers, shop	1	lat				0	0
	F.	drawings, and a copy in PDF and CAD files, and weekly progress reports	1	lot				U	U
		drawings, and a copy in PDF and CAD files, and weekly progress reports							
	G	Safety Gears/Personal Protective Equipment and other safety Paraphernalia	1	lot				0	0
			<u> </u>	101					U
		Safety Requirements againts COVID19 under DPWH DO.39	1	lot				0	0
	ı	Heavy Equipment Rental	1	lot				0	0
								DIRECT COST	0
								MARK-UP (8%)	0
								VAT (5%)	0
		FLECTRICAL MORKS						SUB-TOTAL I	0
II		ELECTRICAL WORKS  Construction/Installation of First Private Pole (34.5 KV incoming). This							
	Α.	includes complete supply of labor and materials for civil and electrical	1	lot				0	0
	Α.	work	1	iot				U	U
		First Private Pole, 34.5KV complete with Load Break Switch (LBS),							
		Automatic Circuit Recloser (ACR), and Lightning Arrester							
		2 Excavation/backfilling works, Hauiling and Pole Erection							
		3 Pole Line Hardware and Accessories							
		4 Bare Copper Wire							
		5 Messenger Wire							
		6 Copper-Clad Grounding Rod							
		7 Grounding Cable							
		8 Grounding Mat							
		9 Equipment Rental							
		10 Miscellaneous and Consumables							
		SUB TOTAL A							0

			1	1			
В	Supply, delivery, setting and installation of 1.5MVA Pad Mounted	1	lot			0	0
В	Transformer 34.5KV/230V,3Ph, 60hz with complete accessories	1	iot			U	U
	SUB TOTAL B						
	1.7						0
	Supply, delivery, and installation of New Main Distribution Panel,						
	230V,3Ph, 60hz System in NEMA-1 Enclosure with Digital Multi-meters &						
	LED power indicators:						
С		1	Assy.			0	0
	Main : (To be sized based on the size of New Transformer)						
	Branches : 1 - 3200AT/3200AF, 3P, 500V, 60hz, ACB						
	1 - 500AT/600AF, 3P, 500V, 60hz, MCCB						
	SUB TOTAL C						0
	Supply, delivery, and installation of additional Sub-Distribution Panel,						
	230V,3Ph, 60hz System in NEMA-1 enclosure:						
D	250 V,51 II, GOILE SYSTEM IN MEMORY 2 CHOICESTATE.	1	Assy.			0	0
"	Main : 1 - 500AT/600AF, 3P, 500V, 60hz, MCCB	1	Assy.			U	U
	Branches : 4 - 100AT/150AF, 3P, 500V, 60hz, MCCB						
	SUB TOTAL D						0
E	Wire and Cabling Works for Equipments (Transformer, New MDP, Sub-DP	1	lot			0	0
_	and Existing MDP )	-	100			0	O I
	1 Supply and installation of HV Cables, Cu.XLPE/PVC						
	2 Supply and installation Termintation Kit						
	3 Supply and installation LV Cables						
	4 Wiring Accessories and Supports						
	5 Supply and installation Conduits, Accessories and Supports						
	Supply and installation of various Cable Ladder with and without Covers						
	(Hot-Dipped Galvanized and Powdercoated)						
	7 Cable Ladder accessories and Hanger Supports						
	8 Earthing Materials						
	9 Miscellaneous and Consumables						
	SUB TOTAL E						0
F	Supply and installation of Grounding System at Transformer Area	1	lot			n	0
•	1 Earth Terminal Panel		100				O .
	2 Wires and Cables		<del> </del>			1	
	3 Wiring Accessories and Supports		<del> </del>			1	
	4 Grounding Rod						
<u> </u>	5 Conduits, Fittings, Supports and Accessories		+			+	
	6 Miscellaneous and Supporting Materials						
<u> </u>	SUB TOTAL F		+			+	0
G	Testing and Commissioning	1	lot			0	0
	SUB TOTAL G	тт	101				0
н	Provision for Temporary Power (As needed)	1	lot			0	0
	SUB TOTAL H	тт	101		1		0
-	JOB TOTAL II						U
-			1			DIRECT COST	0
			1			MARK-UP (16%)	0
<b>-</b>			+		-	, ,	0
-						VAT (5%)	0
				1		SUB-TOTAL II	U

III		CIVIL WORKS						
	A.	Related Civil works for the concrete pedestal, duct bank, concrete pads for transformer and Distribution Panels and grounding system	1	lot			0	0
		1 Concrete Foundation and Pads ( <i>Transformer and Panelboards</i> )						
		2 Construction of Concrete Pedestal						
		3 Construction of Duct Bank						
		4 Cable Trench with Cover						
		5 Concrete Breaking, Excavation and Back Filling Works						
		6 Hauling and Disposal of Debris						
		7 Compaction and Form Works						
		8 Scafforlding Works						
		9 Supporting Materials (Seismic Anchorage and J-Bolts)						
		10 Equipment Rental (Hauling Truck, Concrete Mixer and Demolition)						
		11 Miscellaneous and Consumables						
		SUB TOTAL A						0
	В.	Construction and/or improvements of Transformer Room	1	lot			0	0
		1 Supply and installation of Metal Louvers for door and window/wall						
		2 Re-roofing, ceiling, and electrical (provision for lighting and power layout) works						
		3 CHB and plastering works						
		4 Danger Signage						
		5 Demolition of existing wall and slab						
		6 Fire Resistant Painting Materials						
		7 Miscellaneous Materials						
		SUB TOTAL B						0
	C.	Overall Restoration Works	1	lot			0	0
		SUB TOTAL C						0
Ī							DIRECT COST	0
							MARK-UP (16%)	0
f							VAT (5%)	0
Ī							SUB-TOTAL III	0
					GRAN	ID TOTAL (I + II	+ III)	

PREPARED BY: (PINTED NAME AND SIGNATURE)

DATE:

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Mobilization/ Demobilization

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
A.	Labor					
	Sub-Total for A	I		T	0	
D.	Name of Capacity Equipment	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
В.	Trailer trcuk	1				
	Trailer trouk	ı				
_	Sub-Total for B				0	
C.	Total (A+B) Output per Hour =	100				0
D. E.	Direct Unit Cost (C+D)	1.00				0
E.	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	U
F.	Materials	Onit	Quantity	Offic Cost	Amount (Fiip)	
	Sub-Total for F					0
G.	Sub-Total for F Direct Unit Cost (E + F)					
G. H.	Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCN	f) Expenses	4%	6 of G		0
G. H. I.	Direct Unit Cost (E + F)	f) Expenses		6 of G 6 of G		0
H.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCN	f) Expenses	4%			0 0 0 0

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Temporary Facilities (Offices, work shops, storage, office supplies and workmen accomodation for contractor)

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
A.	Labor					
	Sub-Total for A	I	I	1	0.00	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
B.	Equipment					
	Printer	1				
	Personal Computer	1				
	Sub-Total for B				0	
C.	Total (A+B)				U	0.00
D.	Output per Hour =	1.00				0.00
E.	Direct Unit Cost (C+D)	1.00				0.00
<u></u> -	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	
F.	Materials	Oilit	Quantity	Offit Cost	Amount (Filp)	
ļ' ·	Temporary Facilities (Offices, work					
	shop, storage, office supplies and		050.00			
	workmen accomodation for	days	250.00			
	contractor)					
	Sub-Total for F					0
G.	Direct Unit Cost (E + F)					0.00
Н.	Overhead, Contingencies & Miscellaneous (OCM	I) Expenses		of G		0.00
11	lo D #1/5=:					
l.	Contractor's Profit (CP)			of G		0.00
I. J. K.	Contractor's Profit (CP) Value Added Tax (VAT) Tota Unit Cost			o of G o of (G+H+I) (G+H+I+J)		0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Processing of necessary Permits, Clearances, and Certificates

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
A.	Labor					
	Liason Officer	1				
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
В.	Equipment	NO. OI OIIIUS	140. 01 11001/3	Hourly Nate	Amount (i rip)	
-						
	Sub-Total for B				0	
C.	Total (A+B)					0
D.	Output per Hour =	1.00				
E.	Direct Unit Cost (C+D)					0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	
F.	Materials					
	Building Permits	lot	1.00			
	Permits fromm ABPEA and Meralco	lot	1.00			
	Inspection Certificate	lot	1.00			
	Installation Certificate	lot	1.00			
	Permit to Operate	lot	1.00			
	Clearances	lot	1.00			
	Sub-Total for F				T	0
G.	Direct Unit Cost (E + F)	-				0
Н	Overhead, Contingencies & Miscellaneous (OCM)	Expenses		of G		0
<u>.                                    </u>	Contractor's Profit (CP)			of G		0
J. K.	Value Added Tax (VAT)		5%	of (G+H+I) (G+H+I+J)		0
	Tota Unit Cost			((4+H+l+ I)	1	U.

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building
Item No./ Description : Taxes, Fees and Charges (includuding importation tax, fees and other charges applicable)

Unit of Measurement : lot

1	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
Α.	Labor				1 1 1 1 1 1 1
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
В.	Equipment	NO. OF OTHERS	No. or nour/s	nouny Nate	Amount (Php)
Б.	Lydipinent				
	Sub-Total for B				0
C.	Total (A+B)				(
D.	Output per Hour =	1.00			
E.	Direct Unit Cost (C+D)				(
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials	*	•	*	
	Imporation Tax and Charges	lot	1.00		
	Local Taxes and Charges	lot	1.00		
	Meralco and ABPEA Fees and				
	Charges	lot	1.00		
1					
	Sub-Total for F				(
G.					
G. H.	Sub-Total for F Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OC	M) Expenses	49	6 of G	(
H.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OC	M) Expenses		6 of G 6 of G	(
H. I.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OC Contractor's Profit (CP)	M) Expenses	4%	% of G	
H.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OC	M) Expenses	4%		(

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Bonds, Sureties & Insurances

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.	Labor			, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , ,
	Liason Officer	1			
		•			
	Sub-Total for A		T	1	0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
B.	Equipment				
	Sub-Total for B				0
C.	Total (A+B)				0
D.	Output per Hour =	1.00			U
E.	Direct Unit Cost (C+D)	1.00			0
Е.	Name of Specification	II.u.i4	Overetite:	Unit Coot	
_		Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		4.00		
	Performance Bond	lot	1.00		
	Guarantee and Surety Bonds	lot	1.00		
	Contractor's All Risk Insurance/ Bonds	lot	1.00		
	Warranty Bonds	lot	1.00		
	Sub-Total for F				0
G.	Direct Unit Cost (E + F)				0
Н.	Overhead, Contingencies & Miscellaneous (OCM) E	Expenses	49	6 of G	0
l.	Contractor's Profit (CP)	•		6 of G	0
J.	Value Added Tax (VAT)			6 of (G+H+I)	0
K.	Tota Unit Cost		37	(G+H+I+J)	0
Irv.	TOTAL OTHE OOOL			(0+11+1+0)	U

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Produce and print Bill of Materials, Bill of Quantities and Five (5) sets signed and sealed As-Built Drawings in blueprint and A3 size of papers, shop drawings and a copy in PDF and CAD files, and weekly progress reports Item No./ Description

**Unit of Measurement** 

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
Α.	Labor	140. 011 613011/3	No. of flours	Hourly Nate	Amount (i rip)
	Professional Electrical Engineer	1			
	CAD Operator	1			
	Staff	1			
		•			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
B.	Equipment		•	•	+
	Printer Machine/s				
l	Personal Computer/s				
İ					
l					
	Sub-Total for B				0
C.	Total (A+B)				
D.	Output per Hour =	1.00			
E.	Direct Unit Cost (C+D)				
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials				
	A0-A4 Sizes of Paper	lot	1.00		
	Flashdrive	рс	1.00		
	Blue Print Signed and Sealed As-Built	set	5.00		
	Plan (20x30) inches	SEL	5.00		
	Signed and Sealed As-Built Plan in A3				
	size of paper	set	5.00		
	Signed and Sealed Shop Drawings	lot	1.00		
	Weekly Progress Reports	lot	1.00		
	BOQ	lot	1.00		
	BOM	lot	1.00		
	BOW	Ю	1.00		
	Cub Total for E				
	Sub-Total for F				1
	Direct Unit Cost (E + F)	Evnoncos	40	/ of C	0
Н.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM) B	Expenses		% of G	0
H. I.	Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM) B  Contractor's Profit (CP)	Expenses	4%	% of G	0
G. H. I. J.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM) B	Expenses	4%		0

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description Safety Gears/Personal Protective Equipment and other safety Paraphernalia

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.	Labor				
	Sub-Total for A			T	0
_	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
В.	Equipment				
	Sub-Total for B				0
C.	Total (A+B)				
D.	Output per Hour =	1.00			
<u></u> Е.	Direct Unit Cost (C+D)				(
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		<b></b>		т (гр/
	Hard Hat	lot	1.00		
	Dusk Mask	lot	1.00		
	Vest	lot	1.00		
	Body Harness and Landyards	lot	1.00		
	Eye google	lot	1.00		
	Welding Mask	lot	1.00		
	Gloves	lot	1.00		
	Safety shoes	lot	1.00		
	Safety and Caution signages	lot	1.00		
	Barriers	lot	1.00		
	Sub-Total for F				(
					0.00
G.	Direct Unit Cost (E + F)				
	Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCN)	) Expenses	4%	of G	
н.	Overhead, Contingencies & Miscellaneous (OCN	) Expenses		of G of G	0.00
G. H. I.	<u> </u>	) Expenses	4%	of G of G of (G+H+I)	0.00 0.00 0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Safety Requirements Againts COVID19 under DPWH DO. 39

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.	Labor				
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
B.	Equipment	"		•	, ,,
	Sub-Total for B				0
C.	Total (A+B)				0
D.	Output per Hour =	1.00			<u> </u>
E.	Direct Unit Cost (C+D)				0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		~~~~	J	7 (т. пр)
	Facemask	lot	1.00		
	Ethyl alcohol	lot	1.00		
	Liquid hand soap	lot	1.00		
	Vitamins (Vitamins C with Zinc)	lot	1.00		
	Paracetamol	lot	1.00		
	RT-PCR Swab Test (As needed)	lot	1.00		
	Tri-i Or Owab Test (As needed)	Ю	1.00		
	0.1.7.4.4				
<u></u>	Sub-Total for F				0
G.	Direct Unit Cost (E + F)				0.00
H.	Overhead, Contingencies & Miscellaneous (OCM)	Expenses		of G	0.00
l.	Contractor's Profit (CP)			of G	0.00
J.	Value Added Tax (VAT)		5%	of (G+H+I)	0.00
K.	Tota Unit Cost			(G+H+I+J)	0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Heavy Equipment Rental

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.	Labor				
	Driver/Operator	2			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	0 Amount (Php)
В.	Equipment	NO. OI OIII/S	No. of Houl/S	Hourly Kate	Amount (Php)
Б.	Hauling Truck	1			
	Lifting Equipment	1			
	Welding Machine	1			
	Boom Truck	1			
	Boom Truck	'			
	Sub-Total for B				0
C.	Total (A+B)				- (
D.	Output per Hour =	1.00			
E.	Direct Unit Cost (C+D)				(
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		•	<del>!</del>	
1					
	Sub-Total for F				(
G.	Direct Unit Cost (E + F)				0.00
<b>G</b> . Н.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM	) Expenses		6 of G	0.00
H. I.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM Contractor's Profit (CP)	) Expenses	4%	of G	0.00 0.00 0.00
H.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM	) Expenses	4%		0.00

: Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building Project

Construction/Installation of First Private Pole (34.5 KV incoming). This includes complete supply of labor and materials for civil and electrical works Item No./ Description

**Unit of Measurement** : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
Α.	Labor	1101 011 010011/0	Noi oi niodio	Troutly Nato	ranount (i np)
	Professional Electrical Engineer	1			
	Electrical Engineer	1			
	Safety Officer	1			
	Electrical Foreman	1			
	Skilled Laborer	5			
	Sub-Total for A	5			0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Haurly Data	Amount (Php)
В.	Equipment Capacity	NO. OI UIII/S	NO. OI HOUI/S	Hourly Rate	Amount (Php)
Б.	Hauling Truck	1			
		1			
	Lifting Equipment				
	Excavation Tools and Equipment	1			
	Sub-Total for B				0
C.	Total (A+B)				-
D.	Output per Hour =	1.00			
E.	Direct Unit Cost (C+D)				
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		4		(·p)
	First Private Pole, 34.5KV complete				
	with Load Break Switch, Automatic	Assy.	1.00		
	Circuit Recloser, and Lightning	Assy.	1.00		
	Arrester				
	Pole Line Hardware and Accessories	lot	1.00		
	Dana Cannas Wisa	1-4	4.00		
	Bare Copper Wire	lot	1.00		
	Messenger Wire	lot	1.00		
	Copper-Clad Grounding Rod	lot	1.00		
	Grounding Cable	lot	1.00		
	Grounding Mat	lot	1.00		
	Miscellaneous and Consumables	lot	1.00		
1					
1	Sub-Total for F				
					1
	Direct Unit Cost (E + F)				0.0
	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM)	) Expenses		o of G	0.0
Н.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM Contractor's Profit (CP)	) Expenses	8%	of G	
G. H. I. J.	Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM)	) Expenses	8%		0.0

: Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building Project

Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories Item No./ Description

**Unit of Measurement** : lot

A.         Labor           Professional Electrical Engineer         1           Electrical Engineer         1           Safety Officer         1           Electrical Foreman         1           Skilled Laborer         5           Sub-Total for A         0           Name of Capacity         No. of Hour/s         Hourly Rate           Amount           B.         Equipment           Hauling Truck         1           Lifting Equipment         1    Sub-Total for B  O  C. Total (A+B)  D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)	Amount (Php)	Hourly Rate	No. of Hours	No. of Person/s	Designation
Professional Electrical Engineer	Amount (i np)	riourly reace	No. of flours	110. 011 01301113	
Electrical Engineer				1	
Safety Officer   1   Electrical Foreman   1   Skilled Laborer   5   Sub-Total for A   Q					
Electrical Foreman				•	
Skilled Laborer   Sub-Total for A   No. of Unit/s   No. of Hour/s   Hourly Rate   Amount					
Sub-Total for A					
Name of Capacity	0			5	
B.   Equipment		Harrier Data	No of House	No of Unit/o	
Hauling Truck 1 Lifting Equipment 1  Sub-Total for B 0  C. Total (A+B) D. Output per Hour = 1.00  E Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount installation of 1.5M/VA Pad Mounted Transformer 34.5K/V/230/,3Ph, 60hz Assy 1.00  with complete accessories  Sub-Total for F  G. Direct Unit Cost (F-F) H. Overhead, Contingencies & Miscoellaneous (OCM) Expenses 8 % of G  I. Contractor's Profit (CP) 8 % of G	Amount (Pnp)	Hourly Rate	No. of Hour/S	No. of Unit/s	
Lifting Equipment 1  Sub-Total for B 0  C. Total (A+B)  D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Suphy, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP) 8% of G				4	
Sub-Total for B					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G				1	Litting Equipment
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G					
C. Total (A+B) D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP)  8% of G	0				Sub-Total for B
D. Output per Hour = 1.00  E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses & % of G  I. Contractor's Profit (CP)	0				
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost Amount  F. Materials  Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses  8% of G  I. Contractor's Profit (CP)				1 00	
Name of Specification  Haterials Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (CCM) Expenses  I. Contractor's Profit (CP)  Name of Specification  Unit Quantity Unit Cost Amount  Assource  1.00  Sub-Total for F   0			1.00		
F. Materials Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP) 8% of G	Amount (Php)	Unit Cost	Quantity	Unit	
Supply, delivery, setting and installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses 8% of G  I. Contractor's Profit (CP) 8% of G	7 anount (i np)		quantity	O.III.	-
installation of 1.5MVA Pad Mounted Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses  8% of G  I. Contractor's Profit (CP)  8% of G					
Transformer 34.5KV/230V,3Ph, 60hz with complete accessories  Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses  8% of G  Contractor's Profit (CP)  8% of G					
Sub-Total for F  G. Direct Unit Cost (E + F)  H. Overhead, Contingencies & Miscellaneous (OCM) Expenses  8% of G  I. Contractor's Profit (CP)  8% of G			1.00	Assy	
Sub-Total for F           G. Direct Unit Cost (E + F)         8% of G           H. Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I. Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					mar complete decessions
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					
G.         Direct Unit Cost (E + F)           H.         Overhead, Contingencies & Miscellaneous (OCM) Expenses         8% of G           I.         Contractor's Profit (CP)         8% of G					Sub Total for E
H.     Overhead, Contingencies & Miscellaneous (OCM) Expenses     8% of G       I.     Contractor's Profit (CP)     8% of G	0 00				
I. Contractor's Profit (CP) 8% of G	0.00	-10	201	N. F	
	0.00			) Expenses	, ,
J.  Value Added Tax (VAT) 5% of (G+H+I)	0.00				
	0.00		5%		
K. Tota Unit Cost (G+H+I+J)	0.00	(G+H+I+J)			Tota Unit Cost

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Supply, delivery, and installation of New Main Distribution Panel, 230V,3Ph, 60hz System in NEMA-1 Enclosure with Digital Multi-meters & LED power indicators Item No./ Description

**Unit of Measurement** : Assy

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
A.	Labor		-			
	Electrical Engineer	1				
	Safety Officer	1				
	Electrical Foreman	1				
	Skilled Laborer	2				
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
B.	Equipment			•	, ,,	
	Hauling Truck	1				
	Lifting Equipment	1				
	Sub-Total for B Total (A+B)				0	0
C.	Output per Hour =	4.00				0
D.	· · ·	1.00				0
E.	Direct Unit Cost (C+D)  Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	U
F.	Materials	Oilit	Quantity	Unit Cost	Amount (Php)	
	Supply, delivery,and installation of New Main Distribution Panel, 230V,3Ph, 60hz System in NEMA-1					
	Enclosure with Digital Multi-meters &					
		Assy	1.00			
<u>G.</u> Н.	Enclosure with Digital Multi-meters & LED power indicators:  Main : To be sized based on the size of New Transformer Branches : 1 - 3200AT/3200AF, 3P, 500V, 60hz, ACB 1 - 500AT/600AF, 3P, 500V, 60hz, MCCB  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM)		8%	of G		0 0.00 0.00
H.	Enclosure with Digital Multi-meters & LED power indicators:  Main : To be sized based on the size of New Transformer Branches : 1 - 3200AT/3200AF, 3P, 500V, 60hz, ACB 1 - 500AT/600AF, 3P, 500V, 60hz, MCCB  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM) Contractor's Profit (CP)		8% 8%	of G		0.00
	Enclosure with Digital Multi-meters & LED power indicators:  Main : To be sized based on the size of New Transformer Branches : 1 - 3200AT/3200AF, 3P, 500V, 60hz, ACB 1 - 500AT/600AF, 3P, 500V, 60hz, MCCB  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM)		8% 8%			0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Supply, delivery, and installation of additional Sub-Distribution Panel, 230V,3Ph, 60hz System in NEMA-1 enclosure Item No./ Description

**Unit of Measurement** : Assy

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
Α.	Labor					
	Electrical Engineer	1				
	Safety Officer	1				
	Electrical Foreman	1				
	Skilled Laborer	2				
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
B.	Equipment				, .,	
	Hauling Truck	1				
	Lifting Equipment	1				
	Cut Tatal fac D				۰	
C.	Sub-Total for B Total (A+B)				0	0
D.	Output per Hour =	1.00				U
E.	Direct Unit Cost (C+D)	1.00				0
<u>-</u> -	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	U
F.	Materials			J 5551	7 (ip)	
	Supply, delivery,and installation of additional Sub-Distribution Panel, 230V,3Ph, 60hz System in NEMA-1 enclosure  Main: 1 - 500AT/600AF, 3P, 500V, 60hz, MCCB	Assy	1.00			
	Branches : 4 - 100AT/150AF, 3P, 500V, 60hz, MCCB					
	Sub-Total for F					0
G.	Direct Unit Cost (E + F)					0.00
H.	Overhead, Contingencies & Miscellaneous (OCM)	Expenses	8%	of G		0.00
l.	Contractor's Profit (CP)		8%	of G		0.00
J.	Value Added Tax (VAT)		5%	of (G+H+I)		0.00
K.	Tota Unit Cost		·	(G+H+I+J)		0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Wire and Cabling Works for Equipments (Transformer, New MDP, Sub-DP and Existing MDP)

Unit of Measurement : lot

A. Labor Professional Electrical Engineer 1 Electrical Engineer 1 Safety Officer 1 Electrical Foreman 1 Skilled Laborer 5 Sub-Total for A	Amount (Php)	
Electrical Engineer 1 Safety Officer 1 Electrical Foreman 1 Skilled Laborer 5		
Electrical Engineer 1 Safety Officer 1 Electrical Foreman 1 Skilled Laborer 5		
Safety Officer 1 Electrical Foreman 1 Skilled Laborer 5		
Electrical Foreman 1 Skilled Laborer 5		
Skilled Laborer 5		
	0	
	Amount (Php)	
B. Equipment		_
Sub-Total for B	0	
C. Total (A+B)	<u> </u>	
D Output per Hour = 4.00	·	(
D. Output per Hour = 1.00	•	
E. Direct Unit Cost (C+D)		(
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost	Amount (Php)	
E.         Direct Unit Cost (C+D)           Name of Specification         Unit         Quantity         Unit Cost           F.         Materials		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  F. Materials		
E.         Direct Unit Cost (C+D)           Name of Specification         Unit         Quantity         Unit Cost           F.         Materials           HV Cables, Cu.XLPE/PVC         lot         1.00		
E. Direct Unit Cost (C+D)    Name of Specification		
E. Direct Unit Cost (C+D)    Name of Specification   Unit   Quantity   Unit Cost		
E.         Direct Unit Cost (C+D)           Name of Specification         Unit         Quantity         Unit Cost           F.         Materials           HV Cables, Cu.XLPE/PVC         lot         1.00           Termintation Kit         lot         1.00           LV Cables         lot         1.00           Wiring Accessories and Supports         lot         1.00		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  F. Materials HV Cables, Cu.XLPE/PVC lot 1.00 Termintation Kit lot 1.00 LV Cables lot 1.00 Wiring Accessories and Supports lot 1.00 Conduits, Accessories and Supports lot 1.00		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Wiring Accessories and Supports Conduits, Accessories and Supports Iot Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated)  Indicate Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC lot 1.00 Termintation Kit lot LV Cables lot Wiring Accessories and Supports Conduits, Accessories and Supports lot Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Viring Accessories and Supports Conduits, Accessories and Supports Iot Conduits, Accessories and Supports Iot Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Iot 1.00  1.00  1.00		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification  Unit Quantity Unit Cost  Materials  HV Cables, Cu.XLPE/PVC lot 1.00 Termintation Kit lot LV Cables lot Viring Accessories and Supports Conduits, Accessories and Supports lot Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports lot 1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00  1.00		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  Materials HV Cables, Cu.XLPE/PVC Iot Termintation Kit Iot LV Cables Iot Conduits, Accessories and Supports Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials Iot Unit Quantity Unit Cost  1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.		
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  F. Materials HV Cables, Cu.XLPE/PVC lot 1.00 Termintation Kit lot 1.00 LV Cables Wiring Accessories and Supports lot 1.00 Conduits, Accessories and Supports lot 1.00 Cable Ladder with and without Covers (Hot-Dipped Galvanized and lot 1.00 Powdercoated) Cable Ladder accessories and Hanger Supports Earthing Materials lot 1.00 Miscellaneous and Consumables lot 1.00	Amount (Php)	(
E. Direct Unit Cost (C+D)  Name of Specification Unit Quantity Unit Cost  F. Materials  HV Cables, Cu.XLPE/PVC lot 1.00  Termintation Kit lot 1.00  Wiring Accessories and Supports lot 1.00  Conduits, Accessories and Supports lot 1.00  Cable Ladder with and without Covers (Hot-Dipped Galvanized and Powdercoated)  Cable Ladder accessories and Hanger Supports  Earthing Materials lot 1.00  Miscellaneous and Consumables lot 1.00  Sub-Total for F  G. Direct Unit Cost (E + F)	Amount (Php)	(
E. Direct Unit Cost (C+D)    Name of Specification   Unit   Quantity   Unit Cost	Amount (Php)	()
Direct Unit Cost (C+D)   Name of Specification   Unit   Quantity   Unit Cost   Direct Unit Cost (CP)   Dir	Amount (Php)	) 0.00 0.00
E. Direct Unit Cost (C+D)    Name of Specification   Unit   Quantity   Unit Cost	Amount (Php)	0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Supply and installation of Grounding System at Transformer Area

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
Α.	Labor	NO. OI PEISOII/S	No. of flours	Tiouriy Nate	Amount (Frip)
Λ.	Electrical Engineer	1			
	Safety Officer	1			
	Electrical Foreman	1			
	Skilled Laborer	3			
	Skilled Laborer	3			
	0.1.7.116.4				
	Sub-Total for A		T	T	0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
B. C. D.	Sub-Total for B  Total (A+B)  Output per Hour =	1.00			0
E.	Direct Unit Cost (C+D)				
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials		•	•	
	Earth Terminal Panel	Assy	1.00		
	Wires and Cables	lot	1.00		
	Wiring Accessories and Supports	lot	1.00		
	Grounding Rod	lot	1.00		
	Conduits, Fittings, Supports and	iot			
	Accessories	lot	1.00		
	Miscellaneous and Supporting Materials	lot	1.00		
	Miscellaneous and Supporting Materials	lot	1.00		
G	Miscellaneous and Supporting Materials  Sub-Total for F	lot	1.00		I oo
G.	Miscellaneous and Supporting Materials  Sub-Total for F  Direct Unit Cost (E + F)			. of G	0.0
H.	Miscellaneous and Supporting Materials  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM)		8%	o of G	0.0 0.0
H. I.	Miscellaneous and Supporting Materials  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM, Contractor's Profit (CP)		8% 8%	of G	0.0 0.0 0.0
H.	Miscellaneous and Supporting Materials  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM)		8% 8%		0.0 0.0

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Testing and Commissioning

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
A.	Labor				, , , ,
	Professional Electrical Engineer	1			
	Electrical Engineer	1			
	Safety Officer	1			
	Electrical Foreman	1			
		·			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
В.	Equipment			1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11 1 T
	Various Electrical Test Tools	1			
	Sub-Total for B				0
<b>.</b>	Total (A+B)				•
D.	Output per Hour =	1.00			
Ε.	Direct Unit Cost (C+D)				
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
			•	<u> </u>	
F.	Materials				
F.		lot	1.00		
F.	Submission of Various Test Results	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration	lot	1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration	lot	1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
₹.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
₹.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
Ē.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
F.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests	lot lot	1.00 1.00		
ξ.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests	lot lot	1.00 1.00		
	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests  Sub-Total for F	lot lot	1.00 1.00		
3.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests  Sub-Total for F  Direct Unit Cost (E + F)	lot lot	1.00 1.00 1.00		0.0
3. 1.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests  Sub-Total for F  Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM	lot lot	1.00 1.00 1.00	% of G	0.0
G. H.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests  Sub-Total for F  Direct Unit Cost (E + F)  Overhead, Contingencies & Miscellaneous (OCM Contractor's Profit (CP)	lot lot	1.00 1.00 1.00	% of G	0.0 0.0 0.0
G. H. I.	Submission of Various Test Results Switching Assemby Calibration HV and LV Tests Applicable on site tests  Sub-Total for F  Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM	lot lot	1.00 1.00 1.00		0.0

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Provision for Temporary Power (As Needed)

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
Α.	Labor				7 (1p)	
[						
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
В.	Equipment	NO. OI OIIIUS	No. of flour/s	Hourly Nate	Alliount (Flip)	
٥.	Delivery Truck	1				
	Delivery Truck	'				
	Sub-Total for B				0	
C.	Total (A+B)					0
D.	Output per Hour =	1.00				
E.	Direct Unit Cost (C+D)					0
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	
F.	Materials					
	Fuel Supply	lot	1.00			
	0.1.7.116.5					•
•	Sub-Total for F					0
G.	Direct Unit Cost (E + F)	_				0.00
H.	Overhead, Contingencies & Miscellaneous (OCM)	Expenses		of G		0.00
	Contractor's Profit (CP)		8%	of G		0.00
l.						_
	Value Added Tax (VAT) Tota Unit Cost		5%	of (G+H+I) (G+H+I+J)		0.00

Project

: Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building
Related Civil works for the concrete pedestal, duct bank, concrete pads for transformer and Distribution Panels
and grounding system Item No./ Description

**Unit of Measurement** : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)
Α.	Labor	110. 01.1 010011/0	no. or nouro	nouny rate	7 unount (1 mp)
	Electrical Engineer	1			
	Safety Officer	1			
	Electrical Foreman	1			
	Skilled Laborer	5			
	Okilled Laborel	J			
	Sub-Total for A				0
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)
В.	Equipment	No. of office	110. 01 1104/15	nouny rate	Amount (i np)
	Hauling Truck	1			
	Concrete Mixer	1			
	Demolition Tools	1			
	Excavation Tools	1			
	Compact Equipment	1			
	Compact Equipment	ļ			
	Sub-Total for B				0
C.	Total (A+B)				
D.	Output per Hour =	1.00			
E.	Direct Unit Cost (C+D)			T	1
	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)
F.	Materials				
	Cable Trench with Cover	lot	1.00		
	Form Works	lot	1.00		
	Scaffolding	lot	1.00		
ii	Supporting Materials (Seismic				
		lot	1.00		
	Anchorage and J-Bolts)	lot	1.00		
	Anchorage and J-Bolts) Cement	lot lot	1.00 1.00		
	Anchorage and J-Bolts)				
	Anchorage and J-Bolts) Cement	lot	1.00		
	Anchorage and J-Bolts) Cement Sand	lot lot	1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel	lot lot lot	1.00 1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar	lot lot lot	1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar	lot lot lot	1.00 1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar	lot lot lot	1.00 1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar	lot lot lot	1.00 1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables	lot lot lot	1.00 1.00 1.00 1.00		
0	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables Sub-Total for F	lot lot lot	1.00 1.00 1.00 1.00		
	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables  Sub-Total for F  Direct Unit Cost (E + F)	lot lot lot lot	1.00 1.00 1.00 1.00 1.00	of C	0.0
H.	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables  Sub-Total for F  Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM)	lot lot lot lot	1.00 1.00 1.00 1.00 1.00	of G	0.0
H. I.	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables  Sub-Total for F  Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM Contractor's Profit (CP)	lot lot lot lot	1.00 1.00 1.00 1.00 1.00	of G	0.0 0.0 0.0
G. H. I. J.	Anchorage and J-Bolts) Cement Sand Gravel Rebar Miscellaneous and Consumables  Sub-Total for F  Direct Unit Cost (E + F) Overhead, Contingencies & Miscellaneous (OCM)	lot lot lot lot	1.00 1.00 1.00 1.00 1.00		0.0

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Construction and/or improvements of Transformer Room

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
Α.	Labor	110. 011 013011/3	110. 01 110013	nouny rute	Amount (Frip)	
Λ.	Electrical Engineer	1				
	Safety Officer	1				
	Electrical Foreman	1				
	Skilled Laborer	5				
	Chinoa Easoroi	· ·				
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
B.	Equipment	Hor or ornido	noi oi nouno	nouny ruto	ranount (i np)	
	Welding Machine	1				
	Concrete Mixer	1				
	Demilition Tools	1				
İ	Hauling Truck	1				
İ	I wanting track	,				
İ						
İ						
	Sub-Total for B				0	
C.	Total (A+B)				0	0
	Output per Hour =	4.00				U
D. E.	Direct Unit Cost (C+D)	1.00				0
E.	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	U
F.	Materials	Oilit	Quantity	Offic Cost	Amount (Frip)	
	Metal Louvers	lot	1.00			
	Roofing sheets and accessories	lot	1.00			
	Sealants and waterproofing materials	lot	1.00			
	CHB		1.00			
	Cement	lot				
		lot	1.00			
	Sand	lot	1.00			
	Gravel	lot	1.00			
	Rebar	lot	1.00			
	Fire Resistant Painting Materials	lot	1.00			
	Miscellaneous Materials	lot	1.00			
	Safety Sifnages	lot	1.00			
	Ceiling Boards and Furrings	lot	1.00			
	Lighting fixture, wiring devices, and	lot	1.00			
	wires and cables	iot	1.00			
	Sub-Total for F					0
G.	Direct Unit Cost (E + F)				0	0.00
H.	Overhead, Contingencies & Miscellaneous (OCM) E	xpenses	8%	of G	0	0.00
l.	Contractor's Profit (CP)			of G		0.00
	Value Added Tax (VAT)			of (G+H+I)	0	0.00
J.			0 / 0			
J. K.	Tota Unit Cost			(G+H+I+J)		0.00

Project : Supply and Installation of 1.5 MVA Distribution Transformer for the OCA Aseana Building

Item No./ Description : Overall Restoration Works

Unit of Measurement : lot

	Designation	No. of Person/s	No. of Hours	Hourly Rate	Amount (Php)	
Α.	Labor			,	· ····· (· ··· <b>p</b> )	
	Electrical Engineer	1				
	Safety Officer	1				
	Electrical Foreman	1				
	Skilled Laborer	2				
	Cidilod Edborol	4				
	Sub-Total for A				0	
	Name of Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (Php)	
B.	Equipment			nouny nut	7 mile unit (i mp)	
ì						
l						
	Sub-Total for B				0	
C.	Total (A+B)					0
D.	Output per Hour =	1.00				
E.	Direct Unit Cost (C+D)		T	T		0
_	Name of Specification	Unit	Quantity	Unit Cost	Amount (Php)	
F.	Materials		4.00			
	Materials needed for restoration	lot	1.00			
	0.1.7.116.5					
	Sub-Total for F				Г -	0
G.	Direct Unit Cost (E + F)	_				0.00
Н.	Overhead, Contingencies & Miscellaneous (OCM)	Expenses		6 of G		0.00
l.	Contractor's Profit (CP)			6 of G		0.00
J. K.	Value Added Tax (VAT) Tota Unit Cost		5%	6 of (G+H+I) (G+H+I+J)		0.00