

NATIONAL PARKS
DEVELOPMENT COMMITTEE

October 8, 2021

Bulwark Digital Security Monitoring Inc.

2432 Coral St. San Andres Bukid, Manila/ Unit 1110 Cityland Pasong Tamo Tower,
Chino Roces Avenue, Makati City

ATTENTION: **MARIA LARISSA S. HERNANDEZ**
Vice President - Head of Operations

SUBJECT : **Amendment to Order (Variation Order)**

Dear Ms. Hernandez,

Based on the report of our technical personnel, there will be some Amendment to Order in our contract works for the project entitled **INSTALLATION OF FIBER OPTICS IN RIZAL PARK AND PACO PARK.**

In this regard, kindly submit your quotation for the above subject Amendment to Order to the office of Planning and Management Division not later October 11, 2021.

Attached are the schedule of proposal forms, plans and specifications for your reference.

Very truly yours,


CECILLE LORENZANA ROMERO
Executive Director III

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ISO 9001:2015 CERTIFIED



**IT'S MORE FUN IN THE
PHILIPPINES**

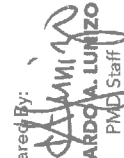
PROGRAM OF WORK

PROJECT: INSTALLATION OF FIBER OPTICS IN RIZAL PARK AND PACO PARK - Amendment to Order (Variation Order)
Location: Central Section, Rizal Park, Ermita, Manila

No.	DESCRIPTION	Qty		UNIT	Unit Cost		Amount		Additive/ Deductive Cost	
		Deletion	Addition		Total	New Cost	Deletion	Addition		
I. FOR RIZAL PARKS COMPLEX										
A. CCTV COMPONENTS										
1 UPS										
	650VA Accupower UPS	(2.00)			(2.00)	pcs.	4,664.00		(9,328.00)	
B. CENTRAL SECTION										
1 ROUGHING-INS										
	2" PVC Pipe	(55.00)	73.00		18.00	pcs.	259.20	4,665.60	4,665.60	
	HDPE Pipe 2" PE100 SDR9		39.00		39.00	meter	780.00	30,420.00	30,420.00	
2 OTHERS ACCESSORIES										
	Powder coated finished/NEMA BOX (ITC) OUTDOOR LOUVER SIDES, Tenfold version AS PER DRAWING 600 H x 600 W x 600 D, T- lock small, 3 point lock, Rubber gasket, 2 pcs mounting rails, 1 pcs exhaust fan on both side w/ canopy, Vertical powerstrip 4 c.o 3 prong at the back, Ga.16 1.2 mm thickness, Color is Grey Powder Coated	(1.00)			(1.00)	sets	12,540.00	(12,540.00)	(12,540.00)	
3 CIVIL WORKS										
For Fiber Optic, STP Line and Foundation										
	Excavation	(26.40)	35.04		8.64	cu.m.	108.68	939.03	939.03	
	Cement		14.00		14.00	bags	303.75	4,252.50	4,252.50	
	Sand		1.00		1.00	cu.m.	1,093.50	1,093.50	1,093.50	
	Gravel		1.50		1.50	cu.m.	1,458.00	2,187.00	2,187.00	
	G.I. Wire		2.00		2.00	kilos	145.80	291.60	291.60	
	10mm dia. Rein. Bar		25.00		25.00	pcs.	206.55	5,163.75	5,163.75	
Formworks										
	1/2" THK. Plywood		2.00		2.00	pcs.	546.75	1,093.50	1,093.50	
	2" X 2" X 8' Good Lumber		10.00		10.00	pcs.	303.75	3,037.50	3,037.50	
	Assorted Nail		1.00		1.00	kilos	145.80	145.80	145.80	
4 ELECTRICAL WORKS										
	15' X6"X3" Hot Dip GI Lamp Post w/ single angle bar on top, 10" base plate w/ 3/4" dia. X 18" anchor bolt		2.00		2.00	units	11,880.00	23,760.00	23,760.00	
C. WESTERN SECTION										
1 For Fiber Optic, STP Line and Foundation										
	Cement		28.00		28.00	bags	303.75	8,505.00	8,505.00	
	Sand		2.00		2.00	cu.m.	1,093.50	2,187.00	2,187.00	
	Gravel		3.00		3.00	cu.m.	1,458.00	4,374.00	4,374.00	
	G.I. Wire		4.00		4.00	kilos	145.80	583.20	583.20	
	10mm dia. Rein. Bar		50.00		50.00	pcs.	206.55	10,327.50	10,327.50	
Formworks										
	1/2" THK. Plywood		4.00		4.00	pcs.	546.75	2,187.00	2,187.00	
	2" X 2" X 8' Good Lumber		20.00		20.00	pcs.	303.75	6,075.00	6,075.00	
	Assorted Nail		2.00		2.00	kilos	145.80	291.60	291.60	
II. STRUCTURED CABLING										
A. PLANETARIUM										
1	24 Port Rack Mount Fiber Optic Distribution Panel 1RU, Loaded with LC Adapter		1.00		1.00	pieces	14,949.79	14,949.79	14,949.79	
2	3ft/ 19RU Wall Mounted Data Cabinet 3ft.H Bare structure w/ four (4) standard square hole vertical mounting rails, 600 W x 800 D x 3 ft.H •Plexiglass Front Door •2-vented side panels w/ lock & louvers •Power strip w/ 6pcs 3-pronged convenient outlets •1 unit rear vertical cable manager w/ 6pcs rings •2 pcs exhaust fan and top panel •20 pcs cagenuits •color is Black, Powder coated finished		1.00		1.00	pieces	18,018.00	18,018.00	18,018.00	
3	2KVA Accupower Online Tower type UPS		1.00		1.00	pieces	35,288.00	35,288.00	35,288.00	
4	8 port Gigabit Managed POE Switch with 4 sfp		8.00		8.00	pieces	6,776.00	54,208.00	54,208.00	
5	48 port Gigabit Managed POE Switch with 4 sfp		1.00		1.00	pieces	19,712.00	19,712.00	19,712.00	
6	Wifi Access Point		6.00		6.00	pieces	32,080.00	192,480.00	192,480.00	

No.	DESCRIPTION	Qty		UNIT	Unit Cost		Amount		Additive/ Deductive Cost
		Deletion	Addition		Total	Original	New Cost	Deletion	
B. SECURITY OFFICE									
1	8-core SM Outdoor Armoured, Loosetube (Fiber)		200.00	meters		251.35		50,270.00	50,270.00
2	24 Port Rack Mount Fiber Optic Distribution Panel 1RU, Loaded with LC Adapter		1.00	pieces		14,949.79		14,949.79	14,949.79
3	LC to LC Patch Cord, 1m		1.00	pieces		3,105.54		3,105.54	3,105.54
4	Optical Transceiver Module, GE SFP single-mode (10Km, 1310nm, LC, DDM)		1.00	pieces		707.85		707.85	707.85
5	LC Singlemode Fiber Optic Pigtail, 0.9mm LSZH, Length = 1.0 mtr		1.00	pieces		485.10		485.10	485.10
6	2ft Wall Mounted Data Cabinet Bare structure w/ four (4) standard square hole vertical mounting rails, 600 W x 800 D x 2 ft.H •Plexiglass Front Door •2-vented side panels w/ lock & louvers •Power strip w/ 4pcs 3-pronged convenient outlets •1 unit rear vertical cable manager w/ 4pcs rings •2 pcs exhaust fan and top panel •20 pcs cagenuts •color is Black, Powder coated finished	1.00	1.00	pieces		13,972.50		13,972.50	13,972.50
7	2KVA Accupower Online Tower type UPS	1.00	1.00	pieces		30,800.00		30,800.00	30,800.00
8	24 port Gigabit Managed POE Switch with 4 sfp	1.00	1.00	pieces		19,712.00		19,712.00	19,712.00
9	24 port patch panel	1.00	1.00	pieces		13,200.00		13,200.00	13,200.00
10	Cable manager	1.00	1.00	pieces		1,032.75		1,032.75	1,032.75
11	Cat6 UTP Cable, 23 AWG Solid Bare Copper	3.00	3.00	boxes		8,140.00		24,420.00	24,420.00
12	Cat6 UTP Cable Patch cord	13.00	13.00	pieces			330.00	4,290.00	4,290.00
13	IO / Data Port	13.00	13.00	pieces			550.00	7,150.00	7,150.00
14	Wifi Access Point	2.00	2.00	pieces		32,080.00		64,160.00	64,160.00
C. ROUGHING-INS									
1	2" PVC Pipe		35.00	pieces		259.20		9,072.00	9,072.00
2	2" PVC Elbow		10.00	pieces		145.80		1,458.00	1,458.00
3	2" PVC Coupling		20.00	pieces		97.20		1,944.00	1,944.00
4	2" PVC Clamp		80.00	pieces		32.40		2,592.00	2,592.00
5	PVC PIPE 1" (10ft)		90.00	pieces		86.40		7,776.00	7,776.00
6	1" PVC Elbow		30.00	pieces		22.68		680.40	680.40
7	1" PVC Coupling		50.00	pieces		8.10		405.00	405.00
8	1" PVC Clamp		190.00	pieces		6.48		1,231.20	1,231.20
9	1" Plastic Molding		50.00	pieces		72.90		3,645.00	3,645.00
10	1" Screw with Tox		90.00	pieces		3.24		291.60	291.60
11	Excavation		100.00	cu.m.		108.68		10,868.40	10,868.40
12	Concrete Cutting		10.00	l.m.		63.68		636.75	636.75
13	Removal of Existing PCC Pavement, 0.15m thk.		5.00	sq.m.		238.50		1,192.50	1,192.50
14	Cement		22.00	bags		303.75		6,682.50	6,682.50
15	Sand		1.25	cu.m.		1,093.50		1,366.88	1,366.88
16	Gravel		3.25	cu.m.		1,458.00		4,738.50	4,738.50
17	G.I. Wire		2.00	kilos		145.80		291.60	291.60
D. CPM WORK AREA									
1	Cat6 UTP Cable, 23 AWG Solid Bare Copper		1.00	boxes		8,140.00		8,140.00	8,140.00
2	Cat6 UTP Cable Patch cord		1.00	pieces			330.00	330.00	330.00
3	IO / Data Port		1.00	pieces			550.00	550.00	550.00
4	Wifi Access Point		1.00	pieces		32,080.00		32,080.00	32,080.00
5	2" PVC Pipe		20.00	pieces		259.20		5,184.00	5,184.00
6	2" PVC Elbow		5.00	pieces		145.80		729.00	729.00
7	2" PVC Coupling		10.00	pieces		97.20		972.00	972.00
8	2" PVC Clamp		40.00	pieces		32.40		1,296.00	1,296.00
	Estimated Direct Cost (EDC)						(21,868.00)	798,644.73	776,776.73
Indirect Cost									
	A. Overhead, Contingencies & Misc.							(2,624.16)	95,837.37
	B. Contractor's Profit							(1,749.44)	63,891.58
	C. Value Added Tax							(1,312.08)	47,918.68
	Total Project Cost							(27,553.66)	1,006,292.36
									978,738.68

Prepared By:


EDGARDO A. LUNIZO
 PMD Staff

Checked By:

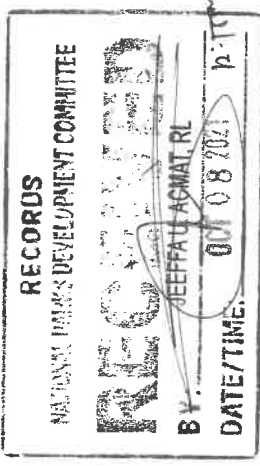

KATHLEEN D.C. MELENDRIZ
 Planning Officer IV

Recommending Approval:


EDUARDO C. VILLALON JR.
 Planning Officer V

APPROVED:


CECILLE LORENZANA ROMERO
 Executive Director III



MEMORANDUM PMD No. 2021-10-007

FOR : THE OFFICE OF THE EXECUTIVE DIRECTOR

FROM : PLANNING AND MANAGEMENT DIVISION

SUBJECT : **INSTALLATION OF FIBER OPTICS IN RIZAL PARK AND PACO PARK PROJECT (AMENDMENT TO ORDER)**

DATE : October 8, 2021

This is to inform you that there will be amendment in the contract for the Installation of Fiber Optics in Rizal Park and Paco Park Project, as a result of the site survey conducted by the contractor and PMD personnel. Furthermore, the amendment is due to the additional works related to the installation of structured cabling in the new NPDC offices. (See attached *technical report for the variation works for the said project*).

In case of approval, attached are the following documents for your signature:

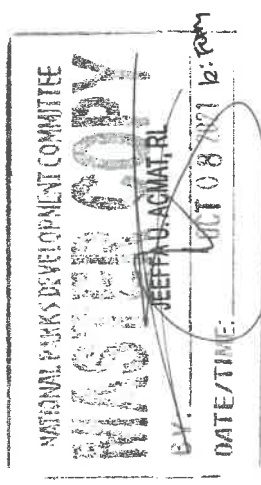
1. Draft letter informing the contractor on the amendment to the project;
2. Program work reflecting the amendment; and
3. Project maps.

Thank you very much!


ENGR. EDUARDO C. VILLALON JR.
 Planning Officer

Approved / Disapproved


CECILLE LORENZANA ROMERO
 Executive Director IV



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