

October 12, 2021

AMENDMENT TO ORDER (Variation Order)
INSTALLATION OF FIBER OPTICS IN RIZAL PARK AND PACO PARK

For : BULWARK DIGITAL SECURITY MONITORING INC.

Unit 1110 Cityland Pasong Tamo Tower, Chino Roces Avenue, Makati City

Gentlemen :

In reference to the variation order of your on-going project, you are hereby advised to proceed with the implementation of the variation works.
Scope: Performance of labor and furnishing of materials, tools & equipments for the following works:

No.	DESCRIPTION	Qty.	Unit	Unit Cost	Proposed Deletion	Proposed Construction	Additive/ Deductive Cost
I. FOR RIZAL PARKS COMPLEX							
A. CCTV COMPONENTS							
1	UPS						
	650VA Accupower UPS	(2.00)	pcs.	4,664.00	(9,328.00)		(9,328.00)
B. CENTRAL SECTION							
1	ROUGHING-INS						
	2" PVC Pipe	18.00	pcs.	259.20		4,665.60	4,665.60
	HDPE Pipe 2" PE100 SDR9	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)	sets	12,540.00	(12,540.00)		(12,540.00)
3 CIVIL WORKS							
For Fiber Optic, STP Line and Foundation							
	Excavation	8.64	c.u.m.	108.68		939.03	939.03
	Cement	14.00	bags	303.75		4,252.50	4,252.50
	Sand	1.00	c.u.m.	1,093.50		1,093.50	1,093.50
	Gravel	1.50	c.u.m.	1,458.00		2,187.00	2,187.00
	G.I. Wire	2.00	kilos	145.80		291.60	291.60
	10mm dia. Rein. Bar	25.00	pcs.	206.55		5,163.75	5,163.75
Formworks							
	1/2" THK. Plywood	2.00	pcs.	546.75		1,093.50	1,093.50
	2" X 2" X 8' Good Lumber	10.00	pcs.	303.75		3,037.50	3,037.50
	Assorted Nail	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	units	11,880.00		23,760.00	23,760.00
C. WESTERN SECTION							
For Fiber Optic, STP Line and Foundation							
	Cement	28.00	bags	303.75		8,505.00	8,505.00
	Sand	2.00	c.u.m.	1,093.50		2,187.00	2,187.00
	Gravel	3.00	c.u.m.	1,458.00		4,374.00	4,374.00
	G.I. Wire	4.00	kilos	145.80		583.20	583.20
	10mm dia. Rein. Bar	50.00	pcs.	206.55		10,327.50	10,327.50
Formworks							
	1/2" THK. Plywood	4.00	pcs.	546.75		2,187.00	2,187.00
	2" X 2" X 8' Good Lumber	20.00	pcs.	303.75		6,075.00	6,075.00
	Assorted Nail	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	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 600 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	pieces	18,018.00		18,018.00	18,018.00
3	2KVA Accupower Online Tower type UPS	1	pieces	35,288.00		35,288.00	35,288.00
4	8 port Gigabit Managed POE Switch with 4 sfp	8	pieces	6,776.00		54,208.00	54,208.00
5	48 port Gigabit Managed POE Switch with 4 sfp	1	pieces	19,712.00		19,712.00	19,712.00
6	Wifi Access Point	6	pieces	32,080.00		192,480.00	192,480.00

B. SECURITY OFFICE						
1	8-core SM Outdoor Armoured, Loose tube (Fiber)	200	meters	251.35		50,270.00
2	24 Port Rack Mount Fiber Optic Distribution Panel 1RU, Loaded with LC Adapter	1	pieces	14,949.79		14,949.79
3	LC to LC Patch Cord, 1m	1	pieces	3,105.54		3,105.54
4	Optical Transceiver Module, GE SFP single-mode (10km, 1310nm, LC, DDM)	1	pieces	707.85		707.85
5	LC Singlemode Fiber Optic Pigtail, 0.9mm LSZH, Length = 1.0 mtr	1	pieces	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 cagennuts. *color is Black, Powder coated finished	1	pieces	13,972.50		13,972.50
7	2KVA Accupower Online Tower type UPS	1	pieces	30,800.00		30,800.00
8	24 port Gigabit Managed POE Switch with 4 sfp	1	pieces	19,712.00		19,712.00
9	24 port patch panel	1	pieces	13,200.00		13,200.00
10	Cable manager	1	pieces	1,032.75		1,032.75
11	Cat6 UTP Cable, 23 AWG Solid Bare Copper	3	boxes	8,140.00		24,420.00
12	Cat6 UTP Cable Patch cord	13	pieces	330.00		4,290.00
13	IO / Data Port	13	pieces	550.00		7,150.00
14	Wifi Access Point	2	pieces	32,080.00		64,160.00
C. ROUGHING-INS						
1	2" PVC Pipe	35	pieces	259.20		9,072.00
2	2" PVC Elbow	10	pieces	145.80		1,458.00
3	2" PVC Coupling	20	pieces	97.20		1,944.00
4	2" PVC Clamp	80	pieces	32.40		2,592.00
5	PVC PIPE 1" (10ft)	90	pieces	86.40		7,776.00
6	1" PVC Elbow	30	pieces	22.68		680.40
7	1" PVC Coupling	50	pieces	8.10		405.00
8	1" PVC Clamp	190	pieces	6.48		1,231.20
9	1" Plastic Molding	50	pieces	72.90		3,645.00
10	1" Screw with Tox	90	pieces	3.24		291.60
11	Excavation	100	cu.m.	108.68		10,868.40
12	Concrete Cutting	10	l.m.	63.68		636.75
13	Removal of Existing PCC Pavement, 0.15m thk.	5	sq.m.	238.50		1,192.50
14	Cement	22	bags	303.75		6,682.50
15	Sand	1.25	cu.m.	1,093.50		1,366.88
16	Gravel	3.25	cu.m.	1,458.00		4,738.50
17	G.I. Wire	2	kilos	145.80		291.60
D. CPM WORK AREA						
1	Cat6 UTP Cable, 23 AWG Solid Bare Copper	1	boxes	8,140.00		8,140.00
2	Cat6 UTP Cable Patch cord	1	pieces	330.00		330.00
3	IO / Data Port	1	pieces	550.00		550.00
4	Wifi Access Point	1	pieces	32,080.00		32,080.00
5	2" PVC Pipe	20	pieces	259.20		5,184.00
6	2" PVC Elbow	5	pieces	145.80		729.00
7	2" PVC Coupling	10	pieces	97.20		972.00
8	2" PVC Clamp	40	pieces	32.40		1,296.00
	Estimated Direct Cost (EDC)				(21,868.00)	798,644.73
	Indirect Cost					
	A. Overhead, Contingencies & Misc.	12%	of EDC		(2,624.16)	95,837.37
	B. Contractor's Profit	8%	of EDC		(1,749.44)	63,891.58
	C. Value Added Tax	5%	of (EDC + A + B)		(1,312.08)	47,918.68
	Total Project Cost				(27,553.68)	1,006,292.36
						978,738.68

Your project completion shall be on December 12, 2021

APPROVED:


CECILLE LORENA ROMERO
 Executive Director

CONFORME:


MARIA LARISSA S. HERNANDEZ
 Vice President - Head of Operations
 Bulwark Digital Security Monitoring Inc.



Milestone Guaranty and Assurance Corp.

Milestone Building 2654 Levente (Saygan) Street, Bldg 719 Manila
Manila Philippines 1004 P.O. Box 3692 Manila
Tel No.: (02) 353-8025, 353-8026 • Smart: +639285542397 • Globe: +639177927111 (Connecting All Dept.) •
Bonds Dept. Direct Line: m(02) 356-0585 • Fax: 523-7715 • E-mail: info@milestonguaranty.com
VAT REG. TIN: 001-094-068-000

STATEMENT OF ACCOUNT

No 0408883

Assured / Principal BULWARK DIGITAL SECURITY MONITORING INSA 18 October 2021
Address 2432 Coral St. San Andres Bukid, Manila Mortgage Nat'l Parks Devt. Comm.
TIN _____ Business Style _____

Policy/Bond No. G(13)B4 004 100329 Rates _____ % Premium _____
Endorsement No. _____ % _____
Sum Insured P 293,621.60 _____ % _____
Term Form: October 18, 20 21 _____ % _____
To: October 18, 20 22 _____ % _____

Risk: Nature Performance Bond(Surety Bond) Total Premium _____
Property inst. of fiber optics in Rizal Park Doc. Stamps
Location & Paco park proj. Amendment to order 12% EVAT

Vessel (Variation order) _____ 2%FST

TEOFILA S. YAP
Branch Manager
Authorized Signature

2307-33.23

NT - 2,582.76

LBT
Acknowledgment
Notarial Fees
Others
Total Due

P 1,661.63

1,661.63
210.00
199.40

1.83
13.50
350.00
500.00
P 2,936.36

Agent 01/Lan

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Cubao Branch Office

Telephone No. 353-8025 NOT VALID FOR USE (5) YEARS FROM THE DATE OF ATP
email address: milestonecubao@yahoo.com

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