

Supplier	: JOINT VI	ENTURE BETWE	EN MARA LINUX AND BUSSINESS	S SOL	UTIONS, INC. AND TWIN ANS E	NT ERPH	9ES -J-1/-	- 0915
Address	s: Unit 503 Seven East Capitoll BVldg., East Capitol Dr. Cor., Sta. Rosa St., Brov. Dr.							er 2023
Kapitolyo Pagia City							Procurement:	PUBLIC BIDDING
Gentlemen:	Please fi	urnish this of	ffice the following articles su	ubje	ct to the terms and condi	<u></u>		
Place of De Date of De		Please refer to	attached Terms of Reference		Delivery Term : -Please ref Payment Term : Please refe	er to attack	ned Terms oif Refere	ence
ITEM	OFFICE ASSESSMENT ASSESSMENT	OR OR OTHER DESIGNATION OF THE PERSON OF THE	NO. DOS CONTROLLES DE CONTROLL	***************************************	A MY AAALACE E SI AAAA A C PAGGING SAFA	1 to attach	UNIT	NCO
NO.	UNIT	QTY	DESC	CRI	PTION	the state of the s	COST	AMOUNT
1	LOT	1	Repair of Pasig City Intell Command Center, ITS Co "SERVER Repair	lliger OMN	nt Transport System (ITS MAND CENTER SERVER)	73,944,355.50	The state of the s
			Repair and updating of syst Main Host(DB Server), Traffic Control Communication Serv Backup Server, Facility Mana Mobile Service Server and G	fic Sig ver, ∖ nagen	gnal Control Server, Signal /MS Server, VDS Server, nent Server, WEB Server	:		
·		· }	"NETWORK Repair - Establish network connection 2, 3 and 4 Switches, Firewall,	on inc II, SA	cluding backbone Switch, La N Switch"	yer :		
		· ·	"Storage and Back-up Facility - Repair and replace of main ensure they are in good work	stora	age and back up facility and			
:			"Repair of Display Wall and F - Repair DID Monitor, RGB M updated and working	Vlatrix	Switch, PC Interface are	:		· · ·
•			 Upgrading of Main Control F Including accessories if any 	PC, V	Wall Controller, Control Unit	:		
:			"Operations Terminal - Upgrading and repair of Trai Terminal, VDS Terminal, Integ Terminal, Facility Managemer	egrate	ed Traffic Management	:		· · · · · · · · · · · · · · · · · · ·
			"Includes updating and reinsta (for Server and Operations Te - Intergrated Traffic Managem	iall of erminent	APPLICATION SOFTWARE nal) System, Traffic Signal Contr	<u> </u>		1. 2.
:			System, Vehicle Detection Sy Collection & Management Sys	ysten	n (Traffic Information			
						:		
Control No.	5183	White the second	THE	MATE WEEK	er er en	GR	AND TOTAL:	Php 73,944,355.50
Total Amo	ant in Wo	rds Seventy-	three Million Nine Hundred I	Forti	y-four Thousand Three Hur			
in ca	ise of the fa	allure to make t	the full delivery within the time speed as provided for by the, 2016	specif	led above, a penalty of one t	TOTAL PROPERTY OF THE PARTY OF	CONTRACTOR OF STREET, SALVANIA	CONTRACTOR OF THE PROPERTY OF
			A			Very t	ruly yours,	
Conforme:		DARWIN LT	APPAL		***************************************		R MA REGIS (Authorized Of	
	(Signature	cover profess no	ant of Supplier)				City Mayor	
	- C.C.	amascaeransprogrammanuer	Western was to a major as a second state of a state of the proposal assessment and a second state of the particular and the second state of the se	amanickenen	- The second	N-Net Selected Interconnection	an er doorske for ender frank eine dy't fan de frank frank en de stade en de stade en de stade en de stade en	мешанда пригрукуманун ((1905 муу бейген) менешектиккет орын офофференция
Requisition	ng Office	/Dest.:	Fu	ınds	Available:		Amount : -	73,944,75550 DMIST PUHO
BR'		MYLL RUIZ (orized Official			JUVY A. CUENCO of Chief Accountant		OBR No.:	VILLIST PUHO



PURCHASE ORDER CITY GOVERNMENT OF PASIG

Agency Name

Supplier :	JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPHISES 23-12-0915								
Address :	Unit 503	Unit 503 Seven East Capitoll BVIdg., East Capitol Dr. Cor., Sta. Rosa St., Brov. Da					ate: 13 December 2023		
	Kapitolyo	, Pasig City			33.	ł	of Procurement:	PUBLIC BIDDING	
Gentlemen:	Please fu	ırnish this off	ice the following articles	s subje	ect to the terms and condi	h	···		
Place of Del Date of Del	ivery : _ F ivery :	lease refer to r	attached Terms of Reference	:e	Delivery Term : -Please ref Payment Term : Please refe	er to atta	ched Terms oif Refer	ence	
ITEM	manus Anexistry 177, 1870, 1886, Arthur 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886, 1886,		大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大学の大	**************************************	ACCOUNTY AND A SECULAR PROPERTY OF THE PROPERT	THE PROPERTY OF THE PARTY OF TH	THE RESIDENCE OF THE PROPERTY	The state of the s	
NO.	UNIT	QTY	DE	SCR	IPTION		UNIT COST	AMOUNT	
			Facility Management Sys Service, DID Wall Display Development, Database "Includes updating and re - DBMS for DB Server, N Server, Virus Vaccine for GIS Engine, HA Cluster STRAFFIC SIGNAL CONT Repair of Traffic Signal Controller (Manhole Beside Controller (Manhole Beside Controller Optic), Traffic Signal cont "Repair of LED Traffic Signal cont "Repair of Inductive Loop Loop detector head; inclinistallation" "Repair of Pedestrian Pus Includes cabling and guid "Updating of Traffic Signal Includes Traffic Volume STraffic Coot VEHICLE DETECTION SRepair of the image Vehic	tem, Vy y Syste Construinstall (MS/Sh PC, Ba doftwar ROL Sontroller (UPS Information of the roller S gnal La trian" Detect ude lea the signal I Time Study, ordinati YSTEM cle Det g, Corr	VEB Service, Mobile Information, Pasig City Node-Link & Guction" of COMMERCIAL SOFTWAF MS, Virus Vaccine for Windows ackup Management Software e" SYSTEM er nocluded), Concrete Foundation Immunication Device (Fiber WW, F/W) Importation and feeder cable on ss" Planning & Optimization Travel Speed Study, Signal on" Mector (Controller & Camera), Immunication Device (Fiber Optimization Device (Fib	is		AMOONI	
	:	-							
- Carlotte and American Control of Control o	·		TO NO COMMON MODERNA ANTHON A COMMON TO THE	-		:			
Control No.	5183	·		**************			: JATOT GNAS	Php 73,944,355.50	
In cas	e of the fai	lure to make th		e spec	i <i>y-four Thousand Three Flur</i> ified above, a penalty of one t R of RA 9184.	WASHINGTON - CONTRACTOR	STATE OF THE PARTY	THE CONTRACTOR OF THE PROPERTY	
			e ^Q			Very	truly yours,		
Conforme :		ARWN 176	JA IPPAL		. 7	VICTO	R MA REGIS (Authorized O)	N. SOTTO	
SS49781475509884555000000000000000000000000000000	(Signature	ober griffat fa Date	u of Supplier)				City Mayo	•	
Requisitionii BRY	ANT ME	Dept ! WL RUIZ C	ı. WONG	Funds	JUVY A CUENCO	na marka (ili dipole) di	Amount : (77, 944 358 50 THUST KUHB	
	\2.111110	, such Official)			Chief Accountant &		L	D 0	



Supplier :	JOINT VEI	ITURE BETWE	EN MARA LINUX AND BUSSII	NESS SO	LUTIONS, INC. AND TWIN ANS	S ENTED	More 23-1	2-0915		
Address :			pitoll BVldg., East Capitol D			-	Pate: 13 December 2023			
en e por como de la composição de la compo	Kapitolyo, Pasig City						of Procurement:	PUBLIC BIDDING		
Gentlemen:	Disasse		44				THE STATE OF THE S	The state of the s		
	Please Iui	nish this on	ice the following article	es subje	ect to the terms and con	ditions	contained hereir);		
Place of Del	ivery: Pl	ease refer to a	attached Terms of Referer)CB	Dolivory Torra - pi	-4. 4		NHH		
Date of Del	ivery :						attached Terms oif Reference			
ITEM	RUMETO NAS PRINTERIO DE LA RECEDE DE	THE REAL PROPERTY OF THE PERSON NAMED IN THE P	TO A CONTRACT SECRETARIAN CONT	Christman and Share	Application of the state of the	NA COLUMN TO STREET	UNIT	STATE OF THE PROPERTY OF THE P		
NO.	UNIT	QTY	D	ESCR	PTION		COST	AMOUNT		
4			- Repair and upgrading Communication Device	of LED \ (Fiber O	/MS (Controller Included), ptic laying), VMS S/W, F/M	j		A PARTICULAR CONTRACTOR CONTRACTO		
i			1	E PREE	MPTION (GREEN-WAVE)					
:	:		ELECTRIC CABLING - Intallation/ laying of Sig CV 6.0mm2 2C) Power Power Cable for DSRC	Cable for	le, Power Cable for VDS (F or VMS (PF-CV 6.0mm2 20 F-CV 6.0mm2 2C)	PF- >)				
•			FIBER OPTICAL COMN 1- Laying of Fiber Optic C Optic Data Multiplexer (C - Including civil works"	Cable, F	TION EXPANSION ber Optic Cable Connection	٦,				
:	:		Secondary Pole Base; P	ole; Trafi rian Pole edestria	ic Signal Primary and r; Traffic Signal Primary and n Pole Base:			:		
		:	of Local Controller Base - Removal old traffic signa	and Loc al Lamp;	Removal old pedestrian La	ame:				
		:	(3 Color); Installation of P -Electronical Meter (Inclu-	edestria ding Cor	rcrete Pedestal): Conduit:	amp				
	:	:	Installation of Power Line Installation of Signal Cabl -Waste Treatment (Conc	le;	/ 6.0mm2 2C : Conduit); halt); Ground Rod and Insti	all				
:	:	:	Ground Wire; Handhole; -VMS Pole; VMS Pole Ba	ase: Inst	allation of VMS Power Cab OS Pole Base; Installation o	le ·		:		
•				,	To the business of the					
						!		:		
						:		:		
Control No.	5183		**************************************	70425	70°9654649669989999 0°	······································	O CONTROL OF THE PARTY OF THE P			
		In Comments t	Inc. Adillian Sim Time	1 747	C 553		RAND TOTAL			
					y-four Thousand Three H	Parcel of the San Lines	THE RESERVE OF THE PROPERTY OF	AND AND ADDRESS OF THE PROPERTY OF THE PARTY		
for every da	y of delay si	ne to make u nall be impose	ed as provided for by the, 2	ne speci 2016 IRF	fied above, a penalty of one t of RA 9184.	e tenth (1	1/10) of one (1) per	cent		
						Ver	y truly yours,			
Conforme :	na na	ANN FRA	At		**************************************	VICT	OR MA REGIS (Authorized C			
	(Signature)	ver mitted nu	oge of Supplier) GB				City Mayo			
di Santaniana managan mangan mang	phone lander common processing copyrights and	Date	mellekkon kilossis siringgi kepinghada yan masa sasa sasa sasa sasa sasa sasa sa	mental and an analysis of the second		165 verbanne				
Requisitionir	ng Office/1	Dept/:	***	Funds	Available:		Amount:	73,949,358		
BRY	1 /	()/ YLL RUIZ C ized Official)	•		JUVY A. CUENCO Chief Accountant	′	OBR No.:	73,949, 350,00 Thuso 180,140		
					a accommentation					



Supplier :	JOINT VE	NTURE BETWEE	N MARA LINUX AND BUSS	iness sc	LUTIONS, INC. AND TWIN ANS E	ntérpa	Mes 23-12	0915	
Address: Unit 503 Seven East Capitoli BVidg., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City						Date:	ALCO PROPERTY AND ADDRESS OF THE PARTY AND ADD	nper 2023	
MATERIAL SECURITY OF THE PARTY	Kapitolyo	, Pasig City	Allerigisms description of the control of the little of the control of the contro			Mode o	of Procurement;	PUBLIC BIDDING	
Gentlemen:	Diegeo fu	rnich this acc	and the fetter to the		والمراويين والمواقعة والمدورة والمراوية والمدودة والتناوية والمواقعة والمراوية والمراو	THE PERSON NAMED OF THE PE	a annuan 40.3 ft formande 10.00 ft before he de standard angle for grant et for	CAMPAGE TO THE RESIDENCE OF THE PROPERTY OF TH	
ļ	i icase iu	IIIISII IIIIS OIII	ce the following article	es subje	ect to the terms and condi	tions c	ontained herein	:	
Place of Del	livery: Pl	lease refer to a	ttached Terms of Refere	nce	Dolivory Towns or			VIII.	
Date of Del	livery :		3.11010/0	100	Delivery Term : -Please refe Payment Term : Please refe	er to attac	thed Terms oif Refer	ence	
ITEM				2004/2004	The second secon	· to attac		and the second s	
NO.	UNIT	QTY	D	ESCR	IPTION		UNIT COST	AMOUNT	
			Cable install; Handhole	DSRC for RSE	Pole Base: RSE DSRC Powe	r .		are excensively file of the second	
:		; ;	-Excavation for Cables (Connection (Signal Con DSRC RSE);	(VMS,VI troller); i	OS,Signal Controller); Earth Earth Connection (VDS, VMS,				
			Demaged Traffic Poles	dii Pusii	Button; Replace or Repair of				
:	: :	:	TRAINING ON BASIC (TROUBLESHOOTING "- Inclusive of Training; the Manual Workshop & Co	he Traini	TONS AND BASIC ng Facilities for the Engineers Meeting is included (See TOF	:			
			-Provide hardcopy of Op	perationa	l Manual"	\$) ·			
•	:	:	PROJECT MANAGEME SOFTWARE UPDATING	G AND (COMMISSIONING	:		:	
			Labor Costs & Expenses -PASIG CITY ITS Repai	r Project	Management: Traffic System	:			
			Traffic System Engineer	(Server.	Synchonization, Optimization); Controller, Software,	:			
		: :	Message Sign Engineer	(Control	n System Engineer; Variable ler, VMS); Variable Message				
			Sign Engineer (Software	, Comm	unication); Oracle & DB Serve ver Engineer; Chief Electrical	r			
:			Engineer; Electrical Engi Engineer; Assistant Engi	neer: Ch	il Engineer; Machinery	•		:	
			Software Updating & Op		for the following			:	
-		:	-Intergrated Traffic Mana System; Vehicle Detectio	igement in Systei	System: Traffic Signal Control n (Traffic Information	!			
:		1 1	Collection & Managemer Facility Management Sys	it Systen item; Wi	n); VMS Control System; EB Service; Mobile Information	1			
	:	:				:		:	
						:			
	***************************************		Annual Control of the		77-430-74-4-1-1-1				
Control No.	5183	***************************************	The state of the s				RAND TOTAL :	Php 73,944,355.50	
					y-four Thousand Three Hun				
In cas for every da	e of the faili y of delay sl	ure to make the hall be imposed	e full delivery within the tir d as provided for by the, 2	ne speci 2016 IRF	fled above, a penalty of one te R of RA 9184.	enth (1/1	(1) of one (1) perc	ent	
			^			Very	truly yours,		
Conforme:	ΓΛ	DAN MA	AR .		V	/ICTO	R MA REGIS (Authorized O)		
7	(Signature c	veryritted not	Je of Supplier)				City Mayor	,	
		147	93				only mayor		
		Dațe							
TO PROTEST AND THE PROTEST OF THE P		·	nakapapapanan menedikating kakapapan menenga terkok-populangan	E	A A	TERROGENS/INVESTIG	турстических поставлений и метора и ме	**************************************	
Requisitionir	ng Office/	Pepk:		Funds	Available:		Amount:	73, 944, 255.50	
BRY		YLL RUIZ Q. ized Official)	WONG		JUVY A. CUENCO d Chief Accountant		OBR No. :	TRUST BUVG	



Supplier: JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES 23–12–0315 Address: Unit 503 Seven East Capitol BVIdg., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City Gentlemen: Please furnish this office the following articles subject to the terms and conditions contained herein: Place of Delivery: Please refer to attached Terms of Reference Date of Delivery: Delivery Term: Please refer to attached Terms of Reference Payment Term: Please refer to attached Terms of Reference Payment Term: Please refer to attached Terms of Reference OUNIT NO. UNIT OTY DESCRIPTION Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected); VMS Control	
Centlemen: Please furnish this office the following articles subject to the terms and conditions contained herein: Place of Delivery: Please refer to attached Terms of Reference Date of Delivery: Delivery Term: Please refer to attached Terms oif Reference Payment Term: Please refer to attached Terms oif Reference Payment Term: Please refer to attached Terms oif Reference Payment Term: Please refer to attached Terms oif Reference OUNIT OUNIT OUNIT Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected); VMS Control	
Please furnish this office the following articles subject to the terms and conditions contained herein: Place of Delivery: Please refer to attached Terms of Reference Date of Delivery: Delivery Term: Please refer to attached Terms of Reference Payment Term: Please refer to attached Terms of Reference UNIT NO. UNIT OTY DESCRIPTION COST AMOU Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected); VMS Control	Sould an water carbon you
Place of Delivery: Please refer to attached Terms of Reference Date of Delivery: Please refer to attached Terms of Reference Payment Term: Please refer to attached Terms of Reference ITEM NO. UNIT QTY DESCRIPTION COST AMOU Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	Security Charles
Date of Delivery: Payment Term: Please refer to attached Terms of Reference ITEM NO. UNIT QTY DESCRIPTION COST AMOU Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	E.O. S.
NO. UNIT QTY DESCRIPTION COST AMOU Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	Novide Contract
NO. UNIT QTY DESCRIPTION Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	T.L.
Service; DID Wall Display System; Pasig City Node-Link & GIS Development; Database Construction Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	* 4
Software Formatting and Installation for the following -VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	
-VMS Operating Software (Ransomware Infected); VMS Communication Software (Ransomware Infected); VMS Control Software (Ransomware Infected)	
Commissioning of the following	
-Systems installed in the C3 Command Center System; Local Equipment and Device Hardware; Local Equipment and Device Software & Firmware	
Provision of the following SPARE PARTS -Signal Controller (CPU, Controller, Flasher, LSU, Power and	
Loop Detector Board) -LED Signal Lamp (4 and 3 bids, pedestrian and pedestrian	
push button)Vehicle Detection System (Image Detector Part, Power Board,	
Camera Part) -VMS (LED Module 600*600mm and Controller)	
-DSRC RSE (Controller and Antenna)	
Inclusive of cost, insurance and freight price	
*This project also includes the cost for any and all civil works, installation, cabling, wiring, laying and splicing.	

Tronung Follows	
Control No. 5183 GRAND TOTAL: Php 73,944,	355.50
Total Amount in Words Seventy-three Million Nine Hundred Forty-four Thousand Three Hundred Fifty-five Pesos And 50/100	VZZWANIA KANDANIA KANDANIA
In case of the failure to make the full delivery within the time specified above, a penalty of one tenth (1/10) of one (1) percent for every day of delay shall be imposed as provided for by the, 2016 IRR of RA 9184.	
Very truly yours,	
Conforma: TX A	
W 974 VICTOR MA REGIS Nº SOTTO	···
(Authorized Official) (Signature over writted plane of Supplier) (Signature over writted plane of Supplier) City Mayor	
Chy Mayor	To and the state of the state o
l Date	
	V-1100 Anny American
Requisitioning Office/Dept.: Funds Available:	-
	P. So
BRYANT MERYLL RUIZ Q. WONG JUVY A. CUENCO O OBR No.: 743, 944 35	0
(Authorized Official) Sovy A. Coenco OBR No.:	