



PURCHASE ORDER

CITY GOVERNMENT OF PASIG

Agency Name

Supplier : JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES PO No. 23-11-0915
 Address : Unit 503 Seven East Capitoll Bldg., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City Date: 13 December 2023
Mode of Procurement: PUBLIC BIDDING

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 Delivery Term : Please refer to attached Terms of Reference
 Date of Delivery : _____ Payment Term : Please refer to attached Terms of Reference

ITEM NO.	UNIT	QTY	DESCRIPTION	UNIT COST	AMOUNT
1	LOT	1	Repair of Pasig City Intelligent Transport System (ITS) Command Center, ITS COMMAND CENTER SERVER "SERVER Repair - Repair and updating of system (Unix Server & NT Server) Main Host(DB Server), Traffic Signal Control Server, Signal Control Communication Server, VMS Server, VDS Server, Backup Server, Facility Management Server, WEB Server, Mobile Service Server and GIS Server" "NETWORK Repair - Establish network connection including backbone Switch, Layer 2, 3 and 4 Switches, Firewall, SAN Switch" "Storage and Back-up Facility - Repair and replace of main storage and back up facility and ensure they are in good working" "Repair of Display Wall and Related Facilities - Repair DID Monitor, RGB Matrix Switch, PC Interface are updated and working - Upgrading of Main Control PC, Wall Controller, Control Unit - Including accessories if any" "Operations Terminal - Upgrading and repair of Traffic Signal Control Terminal, VMS Terminal, VDS Terminal, Integrated Traffic Management Terminal, Facility Management Terminal, NMS/SMS Terminal" "Includes updating and reinstall of APPLICATION SOFTWARE (for Server and Operations Terminal) - Intergrated Traffic Management System, Traffic Signal Control System, Vehicle Detection System (Traffic Information Collection & Management System), VMS Control System,	73,944,355.50	73,944,355.50

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

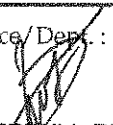
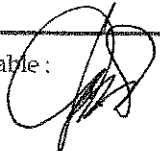
In case of the failure to make the full delivery within the time specified above, a penalty of one tenth (1/10) of one (1) percent for every day of delay shall be imposed as provided for by the, 2016 IRR of RA 9184.

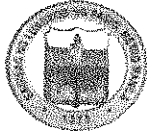
Very truly yours,

Conforme :

DARWIN L. CAPPAL
(Signature over printed name of Supplier)
12/14/23
Date

VICTOR MA REGIS N. SOTTO
(Authorized Official)
 City Mayor

Requisitioning Office / Dept. :  BRYANT MERYLL RUIZ Q. WONG <i>(Authorized Official)</i>	Funds Available :  JUVY A. CUENCO <i>Chief Accountant</i>	Amount : <u>₱ 73,944,355.50</u> OBR No. : <u>PMST P410</u>
---	---	---



PURCHASE ORDER

CITY GOVERNMENT OF PASIG

Agency Name

Supplier : JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES 23-12-0915
 Address : Unit 503 Seven East Capitol Bldg., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City Date: 13 December 2023
 Mode of Procurement: PUBLIC BIDDING

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 Delivery Term : -Please refer to attached Terms of Reference
 Date of Delivery : _____ Payment Term : Please refer to attached Terms of Reference

ITEM NO.	UNIT	QTY	DESCRIPTION	UNIT COST	AMOUNT
			Facility Management System, WEB Service, Mobile Information Service, DID Wall Display System, Pasig City Node-Link & GIS Development, Database Construction" "Includes updating and reinstall of COMMERCIAL SOFTWARE - DBMS for DB Server, NMS/SMS, Virus Vaccine for Window Server, Virus Vaccine for PC, Backup Management Software, GIS Engine, HA Cluster Software" TRAFFIC SIGNAL CONTROL SYSTEM Repair of Traffic Signal Controller -Traffic Signal Controller (UPS Included), Concrete Foundation, Manhole Beside Controller, Communication Device (Fiber Optic), Traffic Signal controller S/W, F/W "Repair of LED Traffic Signal Lamp -4 bids, 3 bids and Pedestrian" "Repair of Inductive Loop Detector - Loop detector head; include lead-in cable and feeder cable installation" "Repair of Pedestrian Push-Button - Includes cabling and guide signs" "Updating of Traffic Signal Time Planning & Optimization - Includes Traffic Volume Study, Travel Speed Study, Signal Time Planning, Traffic Coordination" VEHICLE DETECTION SYSTEM -Repair of the image Vehicle Detector (Controller & Camera), Image Calibration & Tuning, Communication Device (Fiber Optic laying), VDS S/W, F/W VARIABLE MESSAGE SIGN (VMS)		

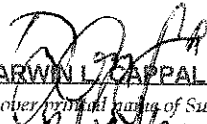
Control No. 5183 GRAND TOTAL : Php 73,944,355.50

Total Amount in Words Seventy-three Million Nine Hundred Forty-four Thousand Three Hundred Fifty-five Pesos And 50/100

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,

Conforme :


DARWIN L. CAPPAL
(Signature over printed name of Supplier)
12/14/23
 Date

VICTOR MA REGIS N. SOTTO
(Authorized Official)

City Mayor

Requisitioning Office/Dept :

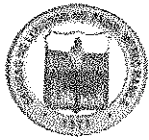

BRYANT MERYLL RUIZ Q. WONG
(Authorized Official)

Funds Available :


JUVY A. CUENCO
 Chief Accountant

Amount : ₱ 73,944,355.50

OBR No. : TRUST BUY



PURCHASE ORDER

CITY GOVERNMENT OF PASIG

Agency Name

Supplier : <u>JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES</u>	Date : <u>23-12-2015</u>
Address : <u>Unit 503 Seven East Capitol Blvd., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City</u>	Date : <u>13 December 2023</u>
Mode of Procurement: <u>PUBLIC BIDDING</u>	

Gentlemen:

Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>Please refer to attached Terms of Reference</u>	Delivery Term : <u>-Please refer to attached Terms of Reference</u>
Date of Delivery : _____	Payment Term : <u>Please refer to attached Terms of Reference</u>

ITEM NO.	UNIT	QTY	DESCRIPTION	UNIT COST	AMOUNT
			<ul style="list-style-type: none"> - Repair and upgrading of LED VMS (Controller Included), Communication Device (Fiber Optic laying), VMS S/W, F/W EMERGENCY VEHICLE PREEMPTION (GREEN-WAVE) -DSRC RSE, Tuning, Communication Device, OBE on Emergency Vehicle ELECTRIC CABLING - Intallation/ laying of Signal Cable, Power Cable for VDS (PF-CV 6.0mm2 2C) Power Cable for VMS (PF-CV 6.0mm2 2C) Power Cable for DSRC RSE (PF-CV 6.0mm2 2C) FIBER OPTICAL COMMUNICATION EXPANSION "- Laying of Fiber Optic Cable, Fiber Optic Cable Connection, Optic Data Multiplexer (COT) - Including civil works" CIVIL WORKS "Civil works including but not limited to the following: -Traffic Signal Lamp Cable; Traffic Signal Primary and Secondary Pole; Pedestrian Pole; Traffic Signal Primary and Secondary Pole Base; Pedestrian Pole Base; -Removal of old local Controller Base and Controller; Installation of Local Controller Base and Local Controller -Removal old traffic signal Lamp; Removal old pedestrian Lamp; Installation of Traffic Lamp (4 Color); Installation of Traffic Lamp (3 Color); Installation of Pedestrian Lamp (2 Color); -Electronical Meter (Including Concrete Pedestal); Conduit; Installation of Power Line (PF-CV 6.0mm2 2C : Conduit); Installation of Signal Cable; -Waste Treatment (Concrete,Asphalt); Ground Rod and Install Ground Wire; Handhole; -VMS Pole; VMS Pole Base; Installation of VMS Power Cable; Handhole for VMS; VDS Pole; VDS Pole Base; Installation of 		


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

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,

Conforme :



DARWIN D. CAPPAL
(Signature over printed name of Supplier)
12/14/23
 Date

VICTOR MA REGIS N. SOTTO

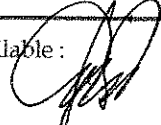
(Authorized Official)

City Mayor

Requisitioning Office/Dept:

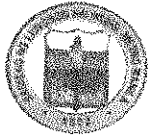

BRYANT MERYLL RUIZ Q. WONG
(Authorized Official)

Funds Available :


JUVY A. CUENCO
 Chief Accountant

Amount : ₱ 73,944,355.50

OBR No. : TRUSD 15110



PURCHASE ORDER

CITY GOVERNMENT OF PASIG

Agency Name

Supplier : JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES	ENTRIPSES 23-12-0915
Address : <u>Unit 503 Seven East Capitol Bldg., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City</u>	Date : <u>13 December 2023</u>
Mode of Procurement: <u>PUBLIC BIDDING</u>	

Gentlemen:
Please furnish this office the following articles subject to the terms and conditions contained herein:

Place of Delivery : <u>Please refer to attached Terms of Reference</u>	Delivery Term : <u>-Please refer to attached Terms of Reference</u>
Date of Delivery : _____	Payment Term : <u>Please refer to attached Terms of Reference</u>

ITEM NO.	UNIT	QTY	DESCRIPTION	UNIT COST	AMOUNT
			<p>VDS Power Cable; Handhole for VDS; -RSE DSRC Pole; RSE DSRC Pole Base; RSE DSRC Power Cable Install; Handhole for RSE DSRC; -Road Sign; Thermo Plastic Paint; Median Strip Demolish; -Excavation for Cables (VMS,VDS,Signal Controller); Earth Connection (Signal Controller); Earth Connection (VDS, VMS, DSRC RSE); - Installation of Pedestrian Push Button; Replace or Repair of Damaged Traffic Poles"</p> <p>TRAINING ON BASIC OPERATIONS AND BASIC TROUBLESHOOTING "- Inclusive of Training; the Training Facilities for the Engineers, Manual, Workshop & Consulting Meeting is included (See TOR) -Provide hardcopy of Operational Manual"</p> <p>PROJECT MANAGEMENT AND ENGINEERING AND SOFTWARE UPDATING AND COMMISSIONING Labor Costs & Expenses for the following -PASIG CITY ITS Repair Project Management; Traffic System Engineer (Traffic Management, Synchronization, Optimization); Traffic System Engineer (Server, Controller, Software, Communication); Video Detection System Engineer; Variable Message Sign Engineer (Controller, VMS); Variable Message Sign Engineer (Software, Communication); Oracle & DB Server Engineer; Network Engineer; Server Engineer; Chief Electrical Engineer; Electrical Engineer; Civil Engineer; Machinery Engineer; Assistant Engineer</p> <p>Software Updating & Optimizing for the following -Intergrated Traffic Management System; Traffic Signal Control System; Vehicle Detection System (Traffic Information Collection & Management System); VMS Control System; Facility Management System; WEB Service; Mobile Information</p>		

Control No. 5183	GRAND TOTAL : Php 73,944,355.50
Total Amount in Words <u>Seventy-three Million Nine Hundred Forty-four Thousand Three Hundred Fifty-five Pesos And 50/100</u>	

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,

Conforme : 
DARWIN L. CAPPAL
 (Signature over printed name of Supplier)
12/14/23
 Date

VICTOR MA REGIS N. SOTTO
 (Authorized Official)
 City Mayor

Requisitioning Office/ Dept. : BRYANT MERYLL RUIZ Q. WONG (Authorized Official)	Funds Available : JUVY A. CUENCO Chief Accountant	Amount : <u>P 73,944,355.50</u> OBR No. : <u>TRUST BUVD</u>
--	--	--



PURCHASE ORDER

CITY GOVERNMENT OF PASIG

Agency Name

Supplier : JOINT VENTURE BETWEEN MARA LINUX AND BUSSINESS SOLUTIONS, INC. AND TWIN ANS ENTERPRISES 23-12-0915
 Address : Unit 503 Seven East Capitol Blvd., East Capitol Dr. Cor., Sta. Rosa St., Brgy. Kapitolyo, Pasig City Date : 13 December 2023
 Mode of Procurement: PUBLIC BIDDING

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 Delivery Term : Please refer to attached Terms of Reference
 Date of Delivery : _____ Payment Term : Please refer to attached Terms of Reference

ITEM NO.	UNIT	QTY	DESCRIPTION	UNIT COST	AMOUNT
			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) 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. ***** Nothing 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

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.

Conforme :


DARWIN CAPPAL
(Signature over printed name of Supplier)
12/14/23
 Date


Very truly yours,


VICTOR MA REGIS N. SOTTO
(Authorized Official)
 City Mayor

Requisitioning Office/Dept. :


BRYANT MERYLL RUIZ Q. WONG
(Authorized Official)

Funds Available :


JUVY A. CUENCO
 Chief Accountant

Amount : Php 73,944,355.50

OBR No. : PMST F944