



BIDS AND AWARDS COMMITTEE
SUPPLEMENTAL/BID BULLETIN
ADDENDUM NO. 4

SUPPLY, DELIVERY AND INSTALLATION OF TRACE DETECTION SYSTEM FOR NARCOTICS

This Addendum No. 1 dated 24 August 2021 is issued to clarify, modify or amend items in the Bid Documents. This shall form an integral part of the Bid Documents.

ISSUES		CLARIFICATION/AMENDMENTS
<u>Supplemental/Bid Bulletin Addendum No. 2</u>		<u>Supplemental/Bid Bulletin Addendum No. 2</u>
<u>Section V. Special Conditions of the Contract</u>		<ul style="list-style-type: none"> Disregard all changes specified in SBB No. 2 and shall adhere to the old Technical Specifications. Please see attached Section VII. Technical Specification
Warranty		
5.1		
<ul style="list-style-type: none"> Three (3) years on Parts and Services Upgradeable list of narcotics and explosives library for free within the warranty period (sample of substance to be added shall be provided by the end-user) 		
<u>Section VI. Schedule of Requirements</u>		
Item	Description	Qty.
9	Cables, Adaptors and Connectors (required for the mounting and operations of the TDS on vehicles)	9
11	Video Dispatch management system (server, software)	1 Lot
<u>Delivery date</u>		
<p>Deliver within one-hundred fifty (150) calendar days after receipt of Notice to Proceed to be delivered in GSD Office, G/F OCOM Bldg., South Harbor, Port Area Manila.</p> <p>The devices and/or equipment must be ready for use and fully accepted by the project proponents prior to the distribution to the listed sites. Winning bidder shall shoulder the cost of distribution of the units to the below listed sites</p>		
<u>Section VII. Technical Specifications</u>		
<ul style="list-style-type: none"> TECHNICAL SPECIFICATIONS FOR THE EQUIPMENT TO BE DELIVERED 		



- **Description**

The narcotics trace detector should be capable of detecting narcotics laden inside containers, boxes, parcels and the like. It is a device that can be used for the non-intrusive and non-destructive inspection process to determine whether a container or receptacle contains narcotics **thru sample collection.**

Considering the current technology of the Trace Detectors having capability of detecting both narcotics and explosives, TDS to be supplied with explosives detection or simultaneous narcotics and explosives detection capability or acceptable.

- **General Specifications**

Trace Detection System:

- Type of Detection / Analytical Method: Ion Trap Mass Spectrometry with Atmospheric Pressure Chemical Ionization (APCI) or **ION mobility spectrometry or ION Mass Spectrometry or ION Trap Mass Spectrometry or Non-Radioactive ION mobility spectrometry or ION Trap mobility spectrometer or high frequency Quartz crystal microbalance Sensors (HF-QCM) technology.**
- Dimension: **at least 360mm but not more than 1300mm for the height (h), at least 350mm for the width (w) and at least 350mm for the length (l)**
- Warm-up Time: **not more than 30 minutes**
- Required Gas/Chemical Supply: **Manufacturer’s specifications, if any.**
- Power Consumption: **not more than 2.0 kVA, TDS should have a battery back-up for at least 1 hour.**
- Operating Temp: within the range of **-10 degrees Celsius to 55 degrees Celsius**
- **Substances** that can be identified:

For Narcotics:

Substances



Amphetamine, Methamphetamine Cocaine, Ephedrine, Heroin, Codeine, Morphine, Diazepam, Opium, Fentanyl, LSD, MDMA, Ketamine, Cannabinol, Cannabidiol and THC, etc

For TDS with Explosives detecting capabilities:

Substances

TNT, RDX, PETN, NG, AN, HMTD, HMX, TETRYL, TATP, UN, EGDN, DNT, Semptex, C4, Black Powder etc.

- Capabilities and Performance Requirements:
- The sampling material shall be reusable and not one-time use. **The sampling materials shall be flexible enough to be introduce into the system using either side. There shall not be a requirement to introduce the sample a certain way into the instrument.**
- The detector system must have serial and Ethernet connections. Recorded data will be accessible through at least one (preferably more) removable storage device (USB). Stored data shall be analyzed by the detector system device or by dedicated software on a remote standard PC **or laptop**
- The system must be capable of being upgraded to add other types of narcotics that are not previously identified in the list of narcotics that can be traced. **The upgrades in the library of narcotics or explosives that can be detected shall be free of charge within the duration of the warranty period.**
- **Machine may have multi-sampling inlet to ensure redundancy in cases when one sampling inlet is contaminated, other inlets can still incorporate the samples for analysis.**
- **Data Display: Laptop computer**
- Processor: Intel Core **i9-11900H or higher.**
- Storage: **2TB M.2 PCIe NVMe solid state drive 3-x4 SSD**
- Graphics: Nvidia GeForce **RTX 3050 Ti 4GB GDDR6.**



- Ports: **1x USB-C Thunderbolt 3**, ~~one USB-C 3.1~~, ~~one SD card reader v6.0~~, ~~one 3.5mm audio jack~~, ~~one wedge-shaped lock slot~~. **3.2Gen 2-type C with (display port/power delivery)**, **1x3.5mm headphone/microphone combo jack**, **2 thunderbolt 4 (USB type C with display port and power delivery)**, **1 full size SD card reader v6.0**, **1 wedge-shaped lock slot**
- **Operating System: windows 10 pro with license MS Office**
- ~~Paper capacity: 100 sheets~~
- **Weight: Manufacturer’s specification**
- **Uninterruptible Power Supply (UPS)**
- **Output: higher than the required power output of the machine being offered**
- **External Hard Drive**
- **Capacity – 3 TB Solid State Drive**
- **One (1) Lot TDS Monitoring and Response System (server, software and interconnectivity)**

Test Parameters

Item No. 1. Physical

- **Dimension and size of the device should be within the range as shown in the brochure an conforms to the requirements under General Specification - Trace Detection System**
- **Weight of the device should be of the name measurement as shown in the brochure and should not exceed the weight requirements**

Section VIII-Checklist of Technical and Financial Documents

- **Brochures - Latest being offered with product description, brand & model (Trace Detection System, Laptop Computer, Printer, Uninterruptible Power Supply, and External Hard Drive)**
- **One (1) Lot TDS Monitoring and Response System (server, software and interconnectivity)**



- List of Service Center/s: **One Service Center (operational branch) each in Luzon, Visayas and Mindanao.**
- Certificate of Performance Evaluation: Certificate or any document showing project completion from the manufacturer or bidder with at least a rating of very satisfactory **in the areas or scope defined in the Single Largest Contract (SLCC) requirement.**
- **ISO or equivalent document of the manufacturer: ISO 9001 or equivalent of the manufacturer of the following equipment (Trace Detection System, Laptop Computer, Printer, Uninterruptible Power Supply, and External Hard Drive and Multi-mode Radio**
- **For Explosives trace detection capability, TDS should be certified by any of the following certifying agencies: TSA, CATSA, STAC, ECAC and DFT.**

Item No. 3 (Performance)

7. Do the same verification test by using Explosives sample on the device. The screen displays a message that detection was successful.

For Laptop Computers:

- **Press the Power Button to turn the device *ON*.**
- **Check the display monitor if all the required programs are included.**
- **Select and run a program.**
- **Press the Power Button again to turn the device *OFF*.**

For the TDS Monitoring and Response System

- **Press the Power Button to turn the device *ON*.**
- **Check the display monitor if all the required programs are included.**
- **Transmit voice, video and data from any two (2) terminals to main server.**
- **Press the Power Button again to turn the device *OFF*.**

List of Sites and Deployment. Please see attached document



Reminders:

- Submission of bids will be on or before 27 August 2021, 9:30 AM
- Bidders shall sign and initial all pages of the bid.
- Late submission will not be accepted.
- One (1) representative is allowed during opening of bids.

For guidance and information of all concerned.


ATTY. ALVIN H. EBREO, CESE
Chairperson, BOC-BAC



Section VII. Technical Specifications

STATEMENT OF COMPLIANCE TO TECHNICAL SPECIFICATIONS

A. INSTRUCTION:

The bidder must state in the last column opposite each parameter and required specifications either “Comply” or “Not Comply”. All pages shall be properly signed. Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause above goods manufactured by us.

SPECIFICATIONS	BIDDER’S STATEMENT OF COMPLIANCE
<p>1. GENERAL QUALIFICATIONS OF THE SUPPLIER/CONTRACTOR</p> <ul style="list-style-type: none"> • The SUPPLIER/CONTRACTOR must be capable of implementing the project consistent with the primary purpose as it appears in its Certificate of Registration, that it provides any and all acts and things that are associated with or required in the supply and delivery of Trace Detection System. • SUPPLIER/CONTRACTOR must have 24/7 Nationwide Service Desk – Phone and email support, including regular holidays, special holidays and government announced holidays. • SUPPLIER/CONTRACTOR shall serve as the single point contact for the required maintenance of the machines (in case SUPPLIER/CONTRACTOR must partner with various supplier). • SUPPLIER/CONTRACTOR shall supply the necessary spare parts for the purpose of restoring the equipment to their proper working condition. • SUPPLIER/CONTRACTOR shall provide a Technical Staff on-site for software/hardware related trouble shooting and fixing. <p>2. TECHNICAL SPECIFICATIONS FOR THE EQUIPMENT TO BE DELIVERED</p>	



➤ **Description:**

The narcotics trace detector should be capable of detecting narcotics laden inside containers, boxes, parcels and the like. It is a device that can be used for the non-intrusive and non-destructive inspection process to determine whether a container or receptacle contains narcotics or explosives.

➤ **General Specifications**

Trace Detection System:

- Type of Detection / Analytical Method: Ion Trap Mass Spectrometry with Atmospheric Pressure Chemical Ionization (APCI)
- Dimension: Not more than 828mm (H)× 780mm (W) x 650mm (D)
- Weight: Not more than 250 kg
- Warm-up Time: at least 30 minutes
- Detection/Analysis Time: not more than 10 seconds.
- Required Gas/Chemical Supply: Helium Gas
- Minimum Personnel Requirement to operate: One (1)
- Power Consumption: 2.0 kVA
- Operating Temp: within the range of -5 degrees Celsius to 35 degrees Celsius
- Narcotics that can be identified:

Category	Substance
Stimulants	Amphetamine Methamphetamine Cocaine, Ephedrine, etc.
Hallucinogens	LSD, MDMA, Ketamine, etc.
Depressants	Heroin, Codeine, Morphine, Diazepam, Alprazolame, Amphepramone, Phentermine, Opium, etc.
Cannabis	Cannabinol, Cannabidiol and THC

➤ **Capabilities and Performance Requirements:**

- The collected samples shall be analyzed directly without any sample preparation.
- The sampling media shall not require any treatment or preparation by the users prior to sample collection. The samples shall have minimal amount of handling as to avoid cross contamination.
- The sample introduction mechanism must be diagonal or horizontally mounted (not vertically) to avoid any loss of sample.
- The sampling material shall be reusable and not one-time use.



- The system must incorporate temperature controls and a thermal shutdown feature in the event of over-heating.
- The detector system must have serial and Ethernet connections. Recorded data will be accessible through at least one (preferably more) removable storage device (USB). Stored data shall be analyzed by the detector system device or by dedicated software on a remote standard PC.
- The system must be capable of being upgraded to add other types of narcotics that are not previously identified in the list of narcotics that can be traced.
- The machine shall provide audio and visual alarm for detection and must identify the specific compound detected and give an indication of the strength of the detection.
- A comprehensive training package (at least 1 session on operation and maintenance) for 30 Customs personnel shall be provided. *(The objective of the training is to increase the operator’s awareness, keenness, and capability to achieve optimal material identification/detection for potential security threats with increased accuracy and speed.)*

➤ **Data Display: Laptop computer**

- Processor: Intel Core i7-10875H.
- RAM: at least 16GB.
- Storage: 512GB PCIe 3 x4 SSD
- Graphics: Nvidia GeForce GTX 1650 Ti 4GB GDDR6.
- Display: 15.6-inch touchscreen (3840 x 2400)
- Ports: two USB-C Thunderbolt 3, one USB-C 3.1, one SD card reader v6.0, one 3.5mm audio jack, one wedge-shaped lock slot.
- Protective case / bag for portability

- Printer – Three-in-one inkjet printer (colored)
- Print speed: Black: 15 ISO ppm, Color: 10 ISO ppm
- Paper capacity: 100 sheets
- Paper size: up to A4, Letter, Legal Size
- Weight: 6.6 kg
- Wifi / Bluetooth ready

➤ **Uninterruptible Power Supply (UPS)**

- Type: Single phase UPS
- Input: 240V±10% V AC, Single phase-three wire
- Output: At least 3.0 KVA

➤ **External Hard Drive**

- Capacity – 3 TB
- Interface - Wireless 802.11ac / SD card slot / USB 3.0 / USB 2.0 (host)



- System Compatible – compatible with Windows 10, Windows 8 or Windows 7 operating systems
- Sampling Wand: Manufacturer’s standard specification
- Swabbing Cloth – Manufacturer’s standard specification

3. **TEST PARAMETERS:** All units shall undergo technical inspection and acceptance (physical, functional and performance test).

ITEM	TEST DESCRIPTION	PASS/FAIL	REMARKS
1.	Physical		
	1. Color and texture of the body of device should be without scratches, uneven surface or discoloration. 2. Dimension and size of the device should be within the range as shown in the brochure and conforms to the requirements of the TOR. 3. Weight of the device should be of the same measurement as shown in the brochure.		
2.	Functional		
a.	Using External Power Supply 1. Press the Power Button to turn the device ON until it reaches its normal operating temperature. 2. Press the Power Button again to turn the device OFF .		
b.	Using Uninterrupted Power Supply (UPS) 1. Press the Power Button to turn the device ON (<i>The green LED on the power button illuminates</i>) 2. Press the Power Button again to		



	turn the device OFF.				
3.	Performance				
	<ol style="list-style-type: none">1. Enter your user level password and Log on to the device.2. Device should start heating up after logging in.3. Normal operating temperature should be achieved in under 30 minutes indicating4. Calibrate device as may be needed.5. Device should show a menu window.6. For verification test for narcotics, press start button on the device and put sample narcotics pad or on the device handle to trigger. The screen displays a message that verification was successful.				