ANNEX B

SPECIFICATION

Supply and Delivery of Ruggedized Field Laptop Computers and External Hard Drives for the International Monitoring System

1. INTRODUCTION

1.1 Background
The Preparatory Commission of the Nuclear-Test-Ban Treaty Organization (hereinafter referred to as “the Commission”) desires to engage a contractor (hereinafter referred to as “the Contractor”) to supply, deliver ruggedized field laptops and external hard drives (hereinafter referred to as the “Goods” or “Equipment”) for the International Monitoring System (IMS) Infrasound Stations.

This Specification defines all technical requirements for the Equipment.

IMS staff frequently perform computer tasks outdoors in harsh environments, that can include rain/high humidity, high-heat and dust. In addition, field deployments often present opportunities for equipment damage, necessitating more robust equipment choices.

2. CONTRACTOR’s REQUIREMENTS
The Contractor shall deliver the Goods/Equipment in accordance with this Specification, while doing so in the most cost-effective manner possible. The Goods shall be delivered by the Contractor to the Commission no later than 2 weeks after receipt of the Purchase Order.

2.1 Supply of Ruggedized Laptops
The Contractor will be responsible for the supply and delivery of eight (8) ruggedized laptops meeting the following specification:

1) **Manufacturer:** Panasonic;
2) **Model:** Toughbook 55 Full HD;
3) **Processor:** Processor Intel® Core™ i5-8365 vPro™ or higher;
4) **Operating System:** Windows 10 Pro or higher;
5) **Display:** LCD, 14” TFT active matrix color LCD screen 1920 x 1080 pixels (Full HD Capacitive Touch Screen);
6) **Graphics card:** Intel® UHD Graphics 620 (AMD Radeon Pro WX in Universal Bay TOUGHBOOK); (as an option, bidders may offer AMD Radeon Pro WX in Universal Bay TOUGHBOOK, as an add-on. This is not required by the Commission);
7) **LAN:** One 1000BASE-T RJ45 port;
8) WLAN: Intel® Dual Band Wireless-AC 9560;
9) RAM: 64 GB; 40GB minimum, with bidder option to quote up to 64GB;
10) Hard Drive and Capacity: SSD, 1 TB;
11) DVD driver: DVD multi drive internal;
12) Keyboard: QWERTY English;
13) Interfaces: 2x USB 3.1, 1x USB 3.1 Type C PD, 1x HDMI, 1x Serial port, 1x Micro SDCX, 1x Headset;
14) Bluetooth: 5.0;
15) Front webcam: 2 MP with infrared / protective shutter (Windows Hello compliance);
16) Mobile Network: 4G LTE, EM7455;
17) Warranty: 5 years (2 year minimum, with preferable 3 additional years purchased, i.e. warranty extension);
18) Battery: Lithium-ion 10.8 V, 6500 mAh (typ.), 6300 mAh (min.), Run time min: 19 hours;
19) Auto adapter: 120W;
20) Backpack/Case: Synergy 15.6” (PCPE-WENSYN1).

2.2 Supply of External Ruggedized SSD Hard Drives

The Contractor will be responsible for the supply and delivery of eight (8) external ruggedized SSD hard drives meeting the following specification:

1) Manufacturer: N/A
2) Hard Drive and Capacity: SSD, 2 TB
3) IP Rating: IP67;
4) Enclosure Type/Material: Rubber coating;
5) Warranty: 5 years (2 year minimum, preferable 3 additional years purchased, i.e. warranty extension);
6) Interface Cables: USB-C and USB-A.

2.3 Delivery of Ruggedized Laptops

The Contractor shall deliver the Goods described in Sections 2.1 and 2.2 to the Commission’s headquarters in Vienna, Austria. Shipping of the Goods to Vienna shall be done so in the most efficient manner possible. The Goods shall also be packed in such a manner that they can be stored for extended periods of time and travel by either land or sea. Delivery of the Goods described in this Specification shall be made within 2 weeks after receipt of the Purchase Order.

3. REPORTING

N/A.