scanning, etc.

Quantity: 01 No Scanner Unit

01. Scanning Object Cars, Vans, Trucks, Buses, etc.

Min: Range: 0-20 kmph. 02. Speed Range

Scanning Technology Area Scan. 03. Grey Scale. 04. Image Type

Infrared Illumination Technology. Illumination 05.

IR Sensors. 06. Sensor

Stainless Steel Heavy Duty Cover. Material 07. Cover a.

Handles Handles for easy carry. b.

Can withstand minimum 50N without Load Capacity c.

structural damage.

Stainless Steel Cabinet. 08. Cabinet Material

Holes for cabling/ ducting. Holes The system shall capable of detecting magnetically attached IED's and/

09. Magnet Detection or contraband. System

Magnetic Field Sensors. Sensor

Measured strength of magnetic field with Strength

which IED's and/or contraband attached

Ouantity: 01 No

magnetically.

100 to 200 Hz or better. Scanning Speed C.

0 to 20 Km/h. Vehicle Speed

(Min. Range)

0.04 mT or better. Sensitivity

-10 degrees to +55 degrees or better. Operating Temperature 10.

IP 67 or better. Ingress Protection

Automatic Number Plate Recognition B.

System

01.

The system shall perform OCR (Optical Character Recognition) of the

license plate characters.

Min. 2 MP. Camera Resolution 02.

IR cut filter with auto switch. Day Night Type 03. Min. Range: 0-20 kmph.

Vehicle Speed 04.

Camera Power All power supply adapter, mounting pole, fabrication of base of pole, 05. Other Accessories 06.

mounting bracket shall be under the scope of supplier.

Min. IP 67. Ingress Protection

07. Ouantity: 01 No

Speed Bump

Min. (L x W x H) 144 inch x 12 inch x 2 inch.

Dimension Bottom Channels for Water Drainage. 01. Drainage 02.

Min. 44,000 lbs per axle. Weight Capacity

Reflector on bump for visibility at night. 03.Visibility 04.

D. Monitoring Workstation Quantity: 01 No 01. Processor Core I 7, six-core processor. 02. **Operating System** Window/ Linux, 03. RAM 8 GB DDR3 or better. 04. Hard Disk Min. 2 TB SSD. 05. Graphics NVidia/ RTX/ AMD (Minimum 2-GB). Monitoring Display 06. Min. 19.5 inch. 08. Other Items a. Keyboard. b. Mouse. C. Speaker. Computer Table with Chair. Ε. Software Real Time Data View The scanner should give a real-time output of all the data simultaneously, i.e. the composite image, license plate display shall be displayed on the monitor instantaneously. Automatic Threat The system shall have the capability of automatically highlight the Detection potential threat object after scanning. 03. Automatic Comparison The software compares the current scan image to a previous scan image of the same vehicle, stored under the same license plate. It indicates the differences between the 2 images with a block indicator. Magnet Detection The system shall capable of detecting magnetically attached IED's System and/ or contraband. 05. Automatic License Plate The system shall include automatic license plate recognition. Recognition 06. Alarm Activation The system shall activate alarm on event such as automatic threat detection, automatic comparison error, magnet detected, etc. 07. Software Front End Microsoft.Net/ Linux. 08. Software Back End The back end database should be on latest version of SQL server. 09. License All required software to operate and control the under vehicle scanning system shall be licensed with lifetime validity. 10. Storage and Data The system shall capable of storing 300,000+ scanning data including license plate number. Required hardware and software History shall be supplied for viewing historical data. Advance searching algorithm shall be incorporated for date wise, vehicle license plate number wise, event wise, etc. historical data. It shall be possible to export current and historical scanning data 11. Data Export including license plate number to the user's portable storage device such as pen drive, hard disk drive, etc. The format shall be jpg, png and/ or pdf. Quantity: 01 No Control Cabinet/ Junction Box Aluminum. 01. Material Min. 4 mm. 02 Thickness Door lock with handle.-03. Lock System Min. 850 x 600 x 220 Size in mm(L x W x H) 04. All cable inside the junction box shall be well organized through Cable Organization 05. DIN connector block.

Accessories 06.

All required two pole circuit breaker, cable connector block, proper

earthing of the system shall be under the scope of supplier.

Cable G.

Quantity: 100 meter

Quantity: 01 No

Cable Type 01

All cable shall be armoured type.

Cable arrangement 02

All above ground cable shall be well organize through proper cable

ducting.

H. Buzzer

Adjustable from 80 dB to 100 dB Sound Level

02. Function

Generate sound for event such as automatic comparison alarm,

03. Available Power Supply

Other Items

automatic threat detection alarm, magnetically attached IED/contraband alarm.

Available power supply at ERL end is 220 V AC. The required power supply for the alarm system shall be supplied by the supplier.

Other accessories such as cable, ducting, mounting, etc. shall be

under the scope of supplier.

I. Other Items

04.

01. Online UPS

Quantity: 01 No Online UPS with minimum 01 hour backup time shall be supplied for full system operation during power failure event.

02. Networking

Quantity: 01 Lot : All required network switch, Ethernet cable, etc. shall be supplier for proper system operation.

03. Printer

Quantity: 01 No Color Laser Printer (Model: HP Color LaserJet Professional CP5225dn or equivalent).

04. Adapter, Power Supply

All required power adapter, power supply/ converter shall be under the scope of supplier. ERL will provide 220V AC power supply only.

J. Manufacturing Country

: USA/ UK/ Japan/ Germany/ France/ Netherland

K. Training:

Successful bidder shall provide training on operation, troubleshooting and maintenance for ERL personnel (Training Duration: Day long).