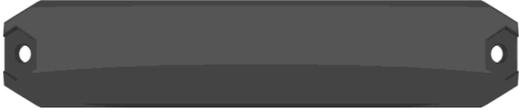# Details of RFID Item Requirements & Bid Submission Format

Kindly submit your proposal in your official letterheads.

RFID Hardware & Software Requirements

Ser.no	Item Description	Qty	Amount Per Unit Inclusive of GST	Total Value Inclusive of GST (₹)
1.	**UHF Mount On Metal Tag IDT FERRIC 110** (Dimensions: 110mm x 25mm x 15mm, Weight: 15gm ± 2, Encasement/ Material: ABS/PVC, Packaging Premium Plastic) 	14000		
2.	**UHF Mount On Metal Tag IDT FERRIC 100** (Dimensions: 100mm x 24.5mm x 11mm, Weight: 10gm ± 2, Encasement/ Material: ABS/PVC, Packaging Premium Plastic) 	6000		
3.	**RFID SILICON TAG IDT SIL 5015** (Dimensions: 50mm x 15mm x 2mm, Weight: 8 gm ± 1, Encasement / Material: Silicon, Packaging Premium Plastic) 	1000		

4.	**RFID ACRYLIC TAG IDT ACR** (Dimensions: 80mm x 30mm, Weight: $8g \pm 1$, Encasement / Material: Acrylic, Packaging Premium Plastic) 	5000		
5.	**RFID MOUNT ON METAL WIDE LABEL IDT 7234 ML** (Dimensions: 72mm x 34mm x 01mm, Weight: $8g \pm 2$, Encasement / Material: PET/Aluminium Foil/Foam) 	1000		
6.	**RFID UHF Portable Scanner IDT RHC72** (Dimensions: 164.2 x 80.0 x 24.3 mm, Weight: 654 g, Touch Panel: Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported, Display: 5.2" IPS FHD 1920 x 1080, Battery: 8000 mAh, Interface: USB 2.0 Type-C, OTG, TypeC headphones supported, Software: SDK Provided Encasement / Material: ABS Plastic, Packaging Premium Plastic, Keypad: 4 front keys, 1 power key, 2 scan keys, 1 multifunctional key, Sensor: Gravity sensor, light sensor, proximity sensor, Expansion: 1 slot for SIM card, 1 slot for SIM or TF card, Processor: Cortex-A53 Octa-core 2.5 GHz, Bluetooth: Bluetooth v2.1+EDR,3.0+HS,v4.1+HS, Expansion: Supports up to 128 GB Micro SD card, Memory: 3GB + 32GB / 4GB + 64GB, WWAN: 2G, 3G & 4G, GNSS: GPS/AGPS, GLONASS, BeiDou; internal antenna, WLAN: IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna, R/W Range: Up to 15m, Reading Range: > 200 tags/Sec, Rear Camera: 13 MP autofocus rear camera with flash 	1		

7.	**UHF Desktop Reader IDT-107** (Dimensions: 160mm x 110mm x 40mm, Weight: 260 g, Output Power: DC 6V (Power Adapter) or powered by USB, Interface: USB, Software: SDK Provided Encasement / Material: ABS Plastic, Packaging Premium Plastic)	1			
8.	**TVS LP46 Neo Desktop Barcode Label Printer**	1			
9.	**Labels for 25000 Assets -** 40*12 (4000 per role)	7			
10.	**TVS Wax resin ribbon**	3			
11.	**RFID Asset Management Software** (Cloud-based or On-premise) including: • Tag lifecycle mgmt • Asset database • Import/export • Handheld integration • Reports • Search/tracking	1			
12.	Additional Accessories (Screws, etc.)	Lot			

Sr. No	Installation Charges	Unit	Qty	Amount Per Unit Inclusive of GST (₹)	Total Value Inclusive of GST (₹)
1	Installation RFID Tags on of **Electronics and Electrical** Items (Computers, printers, etc)	Nos	7000		
2	Installation RFID Tags on of **Furniture Wooden and Steel** Items **without Screws**	Nos	14000		
3	Installation RFID Tags on of **Furniture Wooden and Steel** Items **with Screws**	Nos	5000		
4	Installation RFID Tags on of **CCTV Cameras and other items**	Nos	500		
5	Installation RFID Tags on of **Kitchen Machineries (Grinder, Mixer and other Items)**	Nos	500		
6	Other Miscellaneous Expenses	Lot	1		
	Total				

A separate **Work Order** shall be issued for the **installation charges**, in addition to the supply order, as per the approved terms and conditions.

Special Conditions:

Complete Responsibility of the Bidder: The bidder shall be fully responsible for supplying, installing, configuring, and commissioning the complete RFID-Based Asset Tracking System. The School **will not provide any manpower** for installation or tagging work. The work must be carried out entirely by the bidder's team, under the supervision of the School.

RFID System Installation & Configuration

Install and configure the RFID Asset Management Software.

Configure and deploy handheld RFID readers.

Ensure full integration between hardware (tags, readers) and the software platform.

Set up RFID tag encoding, mapping, and asset association within the school's digital asset database.

Delivery & Completion Timeline: Delivery of all RFID equipment must be completed within 15 days from the date of Purchase Order (PO). Complete installation, tagging, configuration, and commissioning within **90 days** at The Lawrence School, Lovedale.

It is advisable that the bidder deploy adequate manpower to ensure timely completion of the project.

Accommodation & Logistics: The School will provide one room for accommodation of the installation team. Food will be provided only during school term time. The vendor shall bear all expenses related to accommodation and other logistics.

The Work Completion Certificate shall be issued only after successful completion of all works in every respect, strictly as per the terms and conditions of the NIT, and to the entire satisfaction of LSL.

The quoted prices should be inclusive of all applicable taxes (including GST), duties, freight, insurance, installation, and any other charges up to delivery and installation at The Lawrence School, Lovedale. The quote validity must be for a period of 45 days.

Training

Upon completion of installation and commissioning, the Successful Bidder shall provide hands-on training to the concerned officials of LSL on the installed equipment. Training materials/manuals for the equipment shall also be provided.

Warranty Period

- All equipment, including active and passive components supplied under this NIT, shall carry a comprehensive warranty for a period of **three (3) years** from the date of installation and commissioning.
- During the warranty period, the Successful Bidder shall provide all relevant firmware, operating system updates, and security patches released by the OEM at no additional cost to LSL.
- The vendor shall act as the liaison on behalf of LSL with OEMs for repair or replacement of equipment and accessories covered under warranty.

Annual Maintenance

After expiry of the warranty period, the Annual Maintenance of the entire system shall be undertaken as per the terms and conditions stipulated in the tender, or any other conditions mutually agreed with LSL.

Security Deposit

A sum equal to **10% of the work value** will be deducted and retained as Security Deposit.

The Security Deposit will be released within three (3) months after expiry of the one-year warranty period, subject to satisfactory performance.

All prospective vendors are required to conduct a site visit prior to submission of their quotation to obtain any necessary clarifications. Please note that once submitted, the quoted price shall be considered final and no revision will be permitted after the award of the contract.