



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION**

PR NO.1000047155

RFx No.6100002218

Technical Specifications for X-Ray Baggage Scanner

Sr.no	Title	Specifications	Technical Compliance (YES/ NO)	Additional Information (if any)
1	X-Ray Baggage Scanner (Qty-01)	Tunnel Size -500*300mm(Width*Height)		
		Wire Resolution- Standard: 38 AWG, Typical: 40AWG		
		Penetration (Steel) -Standard: 34mm, Typical: 36mm		
		Voltage – 160KV, operating at 150KV		
		Imaging System-0.7mA		
		Memory -4GB RAM		
		Storage Capacity-1TB HDD,240 GB SSD		
		Power Conditioner- Automatic Voltage Regulator(AVR),600VA		
		Display Type-21.5" LED screen		
		Display Resolution I280*I024;24Bit/Pixel Colour		
		Warranty 1 year		
2	Boom Barrier(Qty-02)	Working Temperature -		
		Power Supply- DC24V,AC220V/110V,50/60Hz		
		Open /close Speed -6 sec		
		Rated Power-160W		
		Driving Method-DC Brushless Motor		
		Output torque-56.8N.m		
		Remote Control Distance-<100m(in open space)		
		Protection Grade -IP54		
		Motor No – load speed 1850r/min		
		Max boom Length-6m		
		Input Interface-photo cell, loop detecotr, Manual Switch		
		Warranty 1 year		

3	Tripod Turntiles Single Lane(Qty-04)	Passage width-520mm		
		Throughput rate-35 p/m		
		Power supply-100~240V		
		Operational voltage-24v		
		Max Power Consumption-30w		
		Frequency-50~60hz		
		Protection Level (IP)-IP44		
		Working temperature--25°C~+70°C		
		Electro magnetic drive-DC		
		Dimension excluding bars-(L)480 x (W)280 x (H)980		
		RFID-Yes		
		Fingerprint-Yes		
		Transaction storage		
		Protocol-RS485 / Mifare/Proxy		
		Integrated Controller-inbio-260		
		Relay-12 V relay for lock		
		Warranty 1 year		
4	Round Stud(Qty-300)	-----		
5	Speed Breaker(Qty-4)	Size 350*500*50mm		
6	ANPR Camera(Qty-01)	Image Sensor- 1/1.8" 4MP PS CMOS Image sensor (1.411 cm)		
		Image Resolution 2688 × 1520 (4MP)		
		RAM & ROM 1GB & 4GB		
		Iris Control P-Iris		
		Noise Reduction 3D DNR		
		S/N Ratio >56dB		
		Day/Night IR filter, Support three modes: color/B/W/auto		
		Lens -8mm–32mm Motorized		
		Max. Detection Speed -120 km/h		
		Video Compression H.265, H.264H, H.264B, H.264M		

		DORI Distance-Lens W: 160.0m (Detect) 64.0m (Observe) 32.0m (Recognize) 16.0m (Identify) Lens T: 406.9m (Detect) 162.8m (Observe) 81.4m (Recognize) 40.7m (Identify)		
		Capture Distance- 8 m–30 m		
		Detected Width- 6 m–8 m		
		IVS -Intrusion detection, Loitering detection, up to 4 areas can be set		
		AI Recognition-Recognizes vehicle types, Vehicle signs, Vehicle color, Vehicle plate, Vehicle without plate		
		Video Metadata Displays the intelligent frame, Plate and vehicle paths		
		Vehicle Brand Recognizes 147 vehicle logos		
		Audio Port- 1 Channel(support)		
		Audio output- 1 Channel (RCA port)		
		Reset Button -Support		
		Build In Speaker-Support,Power:2W		
		Micro SD card -Built-in SD card port(up to 256GB)		
		IR On/Off Control- Auto/Manual		
		IR Type – Dual Illuminators		
		IR Distance-ANPR:30mtr,Video monitoring :60mtr		
		Warranty 1 year		