

SR. No.	SYSTEM	HARDWARE	DESCRIPTION	UNIT	QTY
1	Boom Barrier System	Boom Barriers	arm length 3.5 mtrs	Nos	6
		Boom Barrier accessories (Magnetic loops, sensors, Remote & push button)	-	Nos	6
		LED Indicator (signal lights)	BI Colour LED indicator	Nos	6
2	TV	LED Display (TV DISPLAY)	Heavy duty display 42", wall mounted, with industrial enclosure & accessories, with necessary URL launcher	Nos	6
3	Camera (for vehicles)	ANPR	Bullet 5.3MP, HDR 3.2-10mm, IP66, High Dynamic Range: 120 dB WDR, Video resolution : 3072 x 1728, Video Streaming Multiple configurable streams in H.264 or H.265 and M-JPEG, configurable frame rate and bandwidth. Regions of Interest (ROI), Video Performance: High Dynamic Range 120 dB WDR	Nos	6
4	Card Reader System	Card reader access controller	Intelligent access Controller; 2GB Flash memory; LCD Display; 8 Inputs & 8 Outputs; 4 Wiegand Readers	Nos	2
		Enclosure	Enclosure with one DIN rail	Nos	2
		Power supply unit	Power supply unit with an integrated battery charging device	Nos	2
		Card reader device	Reader with Pigtail; Support Mobile Credential, Seos, Iclass, Mifare & prox Cards	Nos	6
5	Cards / Tags	Pre printed RFID Cards	NFC, iCLASS seos, 8kb memory	Nos	10000
		UHF Tags	840 - 920 MHZ, Off metal – Up to 5 m, Communication protocol - ISO/IEC 18000-6C, EPC Class – 1 Gen2, IP54, with self adhesive	Nos	10000
		Card Holders + Lanyards	Lanyards: pre-printed with MPA Logo	Nos	10000
6	UPS	UPS	3 KVA online	Nos	2
7	MISC	Reader pole	SS pole 8-10 ft feet height	Set	6
		Pole for Edge controller			6
		Signage board	signage board with SS-316 grade, 12feet	Nos	6
		Misc (Power cabls + nework cables) (Lumpsum)			1
		Local gate server	13th gen INTEL core or equivalent; 8GB RAM 1x8GB DDR4; 512GB SSD, with Windows 11 OS	Nos	2
		pass issue counters (PC) with 15.6" FHD monitors	13th gen INTEL core or equivalent; 8GB RAM 1x8GB DDR4; 512GB SSD, with Windows 11 OS	Nos	3
		Network switch	24 port POE with SFP ports	Nos	3

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8	Hardware for Pass Issue System	4U rack for switches	IP Outdoor grade	Nos	3
		Servers (App server,Db server,mirror Server)	RACK SERVERS: 128 gb ddr4, 2*amdepyc 7502 /32core/64vcpu, 5*900gb hdd	Nos	3
		Power Box & Accessories	8 Module	Nos	6
		Web camera	1080p, Optical full HD streaming camera, auto focus, compatible with PC / laptop	Nos	3
		SignaturePads	Pen tablet to capture signatures & drawings to insert into document & applications, Dimensions: 305.5mm X 268.4mm X 10.5mm, USB interface, Cordless digital Stylus pen with pen-tip and two barrel buttons, work area: 8X6 Inches	Nos	2
		Thermal Label Printers	USB connectivity, monochrome, print speed 6 ppm, resolution: std min. 8 dots per mm (203 dpi), 400MHz processor, 16MB DRAM, 8MB flash storage memory	Nos	2
		LaserJet Printer	High speed USB 2.0, ISO std print 18ppm (mono)	Nos	1
		Scanners	USB connectivity, 600 resolution, flatbed	Nos	2
		1 TB HDD	External HDD	Nos	2
		Smart Card PrinterS	Single- or dual-sided printing. Capable on printing PVC sticky cards also. Thermal/ Dye sublimation printing, 100 card covered feeder (30 mil). • Min 30 Card capacity output hopper (30 mil) • 16-Character LCD operator control display • 300 dpi (11.8 dots/mm) print resolution Print speed: Min 180 Cards per hour, Built-in 10/100 Ethernet connectivity	Nos	2
		Incident Management (Laptop)		Nos	1
Chairs	Ergonomically designed revolving chairs with castor wheels	Nos	4		

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9	Hand held Readers	Hand held Readers	155mm L x 75.5mm W x 18.6mm H.....(+/- 5%), 5.0 in. High Definition (1280 x 720);Corning Gorilla Glass, Dual mode capacitive touch with stylus or bare or gloved fingertip input (Conductive stylus solid separately), Rechargeable Li-Ion, Power precision,, ≥15.48 Watt hours ≥ 4150 mAh, improved battery metrics for better battery management, fast charging (upto 2.4A), User accessible MicroSD upto 32GB SDHC and upto 128 GB SDXC, 1 Nano SIM slot, Network Connection: WWAN, WLAN, WPAN (Bluetooth), Memory : 2GB RAM/16 GB Flash or higher, OS : Android 7.0 Nougat or higher, Scanning: imager (1D and 2D) with extraordinary range Scan range – Code 39 barcode. 20Mil 2.0in to 30.0in/5.08 cm to 76.2cm 4 Mil 3.3in to 8.8 in/8.4 cm to 22.4 cm, Camera : Rear-13 MP autofocus,1/2.4 aperture rear camera flash LED generates balanced white light, supports Torch mode.	Nos	2
10	Software & License	ANPR License charges		Nos	6
		Card reader access system license		Nos	1
		Software Application & Functionalities (PAC) This will be developed and completely Customized as per MPA Port / Standard Port Gate Management System		LS	1
11	MANPOWER	PASS Issue Counter	5 DEO in 3 shifts at new gate 9 (incl.1 reliver) + 1 DEO at Gate 1 + 1 DEO at IHEP	Nos.	7
		Project incharge	General Shift (9:00hrs - 17:00 hrs)	Nos.	1
12	CMC	1st year		monthly	12
		2nd year		monthly	12
		3rd year		monthly	12