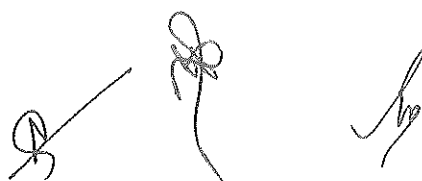


Technical offer for ATM:

Sl.	Required Items & Specifications	Description	Bidder's Response in Details
1	Brand	Please Specify	
2	Type	Please Specify	
3	Model & Manufacturing Year	Please Specify	
4	Country of Origin	Please Specify	
5	Country of Manufacturer & Shipment	Please Specify	
6	PC Specification		
6.1	Processor	Minimum Intel Core i5, Gen Minimum 10 or above. Cache: 6 MB Intel Smart Cache Cores 4 & Threads: 4 Turbo Frequency: up to 3.30 GHz (using turbo boost technology.)	
6.2	RAM	8 GB DDR3 RAM Offered by default. (Expandable to 32 GB)	
6.3	Mother Board	Please Specify	
6.4	Storage /Hard Disk	Minimum 1TB SSD + 1 TB HDD *For mirror copy of EJ and Event log. * ATM Hard disk should be encrypted	
6.5	Audio with Speaker	Mandatory Audio Support loudspeaker with adjustable volume	
6.6	Keyboard & Mouse	Standard External keyboard with functional keys and Mouse	
7	Card Reader Features		
7.1	Card Reader	Please Specify	
7.2	EMV Level – 1 & 2 Certified expiration date for Hardware & Level 2 for Application certified	Please Specify	
7.3	Read/Write Magnetic Stripe HICO/LOCO Card in Track 1, 2, 3 and Read/Write IC CARD	Please Specify	
7.4	Anti-Skimming Enabled	Mandatory	
7.5	Anti-Phishing	Mandatory	





7.6	Other Functionality	Capability to read NPSB/Visa/Master Card and other Chip Cards	
7.7	Card Return On Power Failure (CROPF)	Mandatory	
8	Intelligent Anti Skimming Solution Feature		
8.1	Specially designed card entry slot to protect against skimming attack	Yes/No	
8.2	Anti-skimming/ Anti-Virus solution	Mandatory comply with as per regulatory BB, VISA, EMV guidelines.	
8.3	Fraudulent Device Inhibitor (FDI)	Mandatory	
8.4	Fraudulent Device Detector (FDD)	Mandatory	
8.5	Card entry slot anti-destroy sensor mask	Mandatory	
8.6	Electromagnetic jamming solution, Jitter Enable, Metal Stator	Please Specify	
8.7	Anti-Lebanese Loop Protection	Mandatory	
8.8	Anti-trapping Kit (ATK)	Mandatory	
8.9	OUT-OF-SERVICE Mode (ATM must go to OUT-OF-SERVICE Mode automatically if skimming device detected) also any kind of hardware fault.	Mandatory	
8.10	Anti-vandal Design slot with fireproof capability	Mandatory	
8.11	Electromagnetic signal protection	Mandatory	
9	Consumer Operating Interface Feature		
9.1	Size of Display	Minimum 15 inch	
9.2	Display Type	Please Specify	
9.3	Vandal resistant	Mandatory	
9.4	Dust and Water Protection	Mandatory	
9.5	Display Privacy Filter	Mandatory	
9.6	Touch Screen	Mandatory	
9.7	(2*4) Function Display Keys (FDK)	Please Specify	

9.8	Biometric Reader	Please Specify	
9.9	NFC	Please Specify	
9.10	Indicators for all input output module (i.e. Indicator for Card Reader, Receipt Printer, Cash Shutter, EPP) (Pls. Add)	Please Specify	
10	Encrypted PIN PAD (EPP) Features		
10.1	Encrypted PIN PAD	PCI V4.0 or higher Certified	
10.2	PCI/DSS and PA-DSS Complaint (Provide certificate) Note: Renewal will cover under AMC	Please Specify PCI PTS Certified EPP and PA-DSS	
10.3	Triple DES Complaint	Mandatory	
10.4	(4x4) Metal Tactile Keypad (PIN PAD)	Mandatory	
10.5	Temper Pads Installed	Mandatory	
10.6	Vandal Resistant	Mandatory	
10.7	Built in self-destruction mechanism	Mandatory	
10.8	EPP / PIN Shield	Mandatory	
11	ATM cassettes and Dispensing Details		
11.1	Maximum notes per transaction	Please Specify	
11.2	Dispensing speed	Please Specify	
11.3	Total no. of cassettes	Please Specify	
11.4	Separate reject and retract Capacity	Mandatory	
11.5	Per Cassette note capacity	Please Specify	
11.6	Cassette internal structure	Please Specify	
11.7	Cassette with key lock	Magnetic Lock	
12	Receipt Printer Features		
12.1	Thermal receipt printer	Please Specify	
12.2	Receipt paper bin (support Retract of receipt left by the customer)	Please Specify	
12.3	Receipt paper roll details (Support minimum 200mm diameter thermal paper roll (preferable))	Please Specify	
13	Electronic Journal Log Features		
13.1	Electronic Journal (EJ) Log Enabled	Mandatory	
13.2	Support EJ Pulling to Remote Server	Mandatory	
13.3	Support File Transfer Protocol (with secured SFTP/SSL/SSH)	Please Specify	
14	Network Communication		
14.1	Ethernet Adapter	Please Specify	
14.2	Support TCP/IP Protocol	Mandatory	



14.3	Support Wireless (optional)	Please Specify	
15	Safe Lock Features		
15.1	Vault Lock	Must Have Dual combination with digital lock with dual user authentication	
16	Security Features		
16.1	Physical security features of upper and lower chambers	Please Specify	
16.2	Built-in security camera	Must have min 2 cameras, one for face capture and one for cash delivery slot (with camera control software). Solution should have capability to send camera health status following NDC protocol. Camera Controlling Software with update status.	
16.3	Consumer awareness mirror (preferable)	Please Specify	
16.4	Anti-malware solution with the following features <ul style="list-style-type: none"> - Application whitelisting. - USB protection. - XFS layer protection - Dispenser Encryption. - BIOS protection using password - File and registry protection 	Mandatory	
16.5	Other Security Feature	Please Specify	
17	Software Features		
17.1	Operating System, Anti-Virus & Other Software – Free of upgradable to higher version. Supplier need to ensure all upgrades for OS at least the next five years without any cost.	Mandatory	
17.2	Windows Patch	Quarterly patch update or update to last release of patch.	
17.3	Support protocols	Should be preloaded with either DCC/NDC/NDC+/ISO-8583	
17.4	Application Software.	Mandatory	
17.5	Version of Application Software	Please Specify	
17.6	Conformable to CEN/XFS standards	Please Specify	
17.7	EMV Level-2 Certified	Kernel version with expire date	
17.8	PA-DSS Certified (with version)	Mandatory	



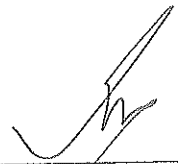
17.9	Customization requirement with switching system, Card less transaction support	Please Specify	
17.10	Support remote distribution and upgrade of device firmware (preferable)	Please Specify	
18	Operator Maintenance Features		
18.1	Maintenance with keyboard and mouse	Mandatory	
18.2	Graphical and user-friendly maintenance interface	Mandatory	
18.3	Standard diagnostic tools	Mandatory	
18.4	Provision for using diagnostic tools and diagnosis problem(s) remotely	Mandatory with application for monitoring.	
19	Environment Features		
19.1	Power requirement (i.e. AC (220± 20) V, 50Hz)	Please Specify	
20	Physical Dimension & Color		
20.1	Physical Dimensions (height, Width, Depth and Weight)	Please Specify	
20.2	Color	Please Specify	
21	Other Features		
21.1	Floor mounting Option	Please Specify	
21.2	Experience in Bangladesh Market for ATM with HOST details.	Please Specify with proper documents	
21.3	Must be compliant with all rules & policies declared by Bangladesh Bank & International Payment associator i.e. VISA, MASTER etc.	Mandatory	
21.4	Buy Back ATM Existing ATM with Carrying	NCR-Self serve 22E – Four Unit NCR-Selfserve34 – Three Unit Please Specify on the mentioned models	
21.5	Delivery Time	Please Specify	
21.5	AMC	Please Specify	
21.6	Warranty	Please Specify	



Ashraf Alam Bhuiyan
Chief Technology Officer



Md. Towhiduzzaman Fuad
Head of Operations



Eiman Sarfraz
Country Operations Head