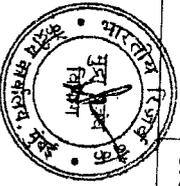


Technical Specifications for construction of Currency Chests (CCs) Strong Rooms (vaults) by bank

Class of Vaults	AAA			B	
	Geographical location of CC at Basement and ground floors of the buildings	Metro Cities, State Capital, and District HQ	Other centres (except Metro cities, State Capital, and District HQ)		Places near International borders i.e. within 80 kms and other insurgency effected areas as considered by Ministry of Home Affairs (MHA), GOI/ concerned State Government
Application	Wealth Level Risk Level	High High	High High	Medium Very high	Medium High
Main door with time-lock [see IS 11188 (Part I) for construction details to be fixed on the front side	Class AAA	Class AAA			Class B
Emergency Door [see IS 11188 (Part 1) for construction details] if to be provided and fixed on the back side as per the layout prepared by the banks' Architect / Structural consultant.					Class B
Internal clear usable size without obstructions.		Area: Minimum 1500 sq ft, Height: 3000 mm		Area: Minimum 600 sq ft, Height 3000 mm	
Construction shall be done as per the design of the Structural consultant subject to minimum requirements given here for achieving burglary resistance against attack by common hand-held / picking / impact/ portable electric/hydraulic/ concrete cutting /drilling tools, pressure applying devices, power saws etc, fire resistance against gas cutting torch, fluxing rods etc; fire hose stream reheat endurance against exposure to major fire and firefighting water stream/ jet etc.					
Wall Thickness		450 mm, Minimum		600 mm, Minimum	225 mm, Minimum
Floor and roof		450 mm, Minimum		600 mm, Minimum	150 mm, Minimum
Concrete Mix (see IS 456)		M50, Minimum		M60, Minimum	M50, Minimum
	Bar dia	20 mm	18 mm	20 mm	12 mm



Class of Vaults	Geographical location of CC at Basement and ground floors of the buildings	AAA			B
		Metro Cities, State Capital, and District HQ	Other centres (except Metro cities, State Capital, and District HQ)	Places near International borders i.e. within 80 kms and other insurgency effected areas as considered by Ministry of Home Affairs (MHA), GOI/ concerned State Government	
Steel grid in walls, floor and roof	Mesh	Mesh made by placing and tying rebars at 200 mm x 200 mm c/c both ways; once such mesh placed staggered on both the faces of each wall, floor and roof, in such a manner so as to make less than 100 mm x 100 mm c/c through openings.		Tye rebars at 150 mm x150 mm c/c both ways; 75 mm x75 mm c/c openings. Rest remains same as AAA.	
Twisted tang bars laid with staggered joints and 25 mm overlap, Minimum		2 Rows in Walls 2 Layers in Floor	3 Rows in Walls 3 Layers in Floor	Not mandatory	
Surveillance passage/ Patrol corridor		2 Layers in Roof	3 Layers in Roof		
Heating ventilation and Air Conditioning (HVAC) arrangements		1150 mm, Minimum for Front and Back, 750mm, Minimum for sides			
Security Ventilator (see ISD 14387/ Exhaust fan)		Shall be provided through plenum chamber attachment to manhole / emergency door			
		Height from Floor Level: 2100 mm, Minimum. Opening Size: 450 mm x450 mm, Max			
Other Security and surveillance systems to be provided and installed inside the vault					
Close circuit Television (CCTV) coverage for vault including patrol corridor and other chest areas		Shall be necessarily provided and always maintained in working order through service contracts and uninterrupted power supply			
Emergency lighting		Shall be necessarily provided and always maintained in working order through service contracts and uninterrupted power supply			
Smoke Detection and fire alarm system		Necessary Fire-extinguishers for fighting A, B and C class fire shall be provided and always maintained in working order through service contracts and interrupted power supply.			



Fire-fighting systems	Necessary fire-extinguishers for fighting A, B and C class fire shall be provided and always maintained in working order through service contracts
Burglar and Security alarm system	Sensors for movement/ vibration/ moisture/ heat / smoke/ magnetic etc. detecting based system, capable of automatically raising an alarm using hooters/ sirens etc. in the currency chest premises as well as at a remote location whenever the currency chest is attacked, shall be provided and shall be periodically tested and always maintained good working order through service contracts and uninterrupted power supply.
Other security and surveillance systems to be provided and installed outside the Vault area in currency chest Premises	
Fire-fighting systems	Fire Extinguishers and Sprinkler or Dry/Wet riser system shall be provided and always maintained in good working order through service contracts.
CCTV coverage for peripheral area surrounding the chest premises	Shall be necessarily provided and always maintained in good working order through service contracts and uninterrupted power supply.
Biometric Access Control Systems	Systems for verification of the authority to have access inside vaults shall be necessarily provided and always maintained in working order through service contracts and uninterrupted power supply.
Burglar and Security Alarm systems	Burglar and Security Alarm systems capable of automatically raising an audio-visual emergency when activated shall be provided and shall be periodically tested and always maintained in good working order through service contracts and uninterrupted power supply.
Other measures to be taken for ensuring security and safety of treasure stored in vaults	
Whether armed security guards are required to be posted at the chest premises in addition to the police guards provided by State Police?	Yes
Whether Police- guard rooms shall be provided with all necessary facilities for the guards to take rest near the strong room?	Yes
Whether cell-phones to be given to the security – guards guarding the vaults?	Yes
Whether Auto-dialler, Hotline connection to nearest Police Station is required to be provided at chest premises?	Yes
Insuring the vaults against terrorist/ insurgent/ vandal/ mob attack etc.	Insurance is not required if treasure is guarded by state Armed Police guards. In case it is guarded by ex-servicemen security agencies sponsored by Directorate General Resettlement, banks may take insurance cover at their option/ cost.

