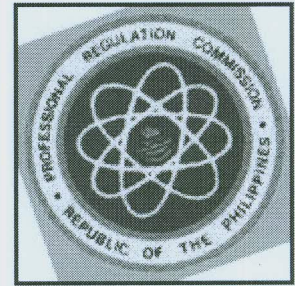




Bids and Awards Committee

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Section VII. Technical Specifications

Lot 1: Procurement of Single Core Switch (ITB No. 018-017)

Items	Description	Quantity	
LOT 1	1. SINGLE CORE SWITCH	1	
	1.1. 32 Port 10G IP Base, Front-to-Back, No P/S		
	1.2. Switching Capacity	800 Gbps	
	1.3. Supported Throughput	Up to 250Mpps for IPv4	
		Up to 125Mpps for IPv6	
	1.4. Standard Memory	4Gb	
	1.5. Flash Memory	2 Gb	
	1.6. Management Port		
	1.7. Network Technology	10/100/1000Base-T	
	1.8. Redundant Power Supply		
	1.9. Uplink Port		
	1.10. Total VLANs min.	4,000	
	1.11. Total SVIs	4,000	
	1.12. 32 Port 10G IP Base, FRO		1
	1.13. 750W AC front to back cooling 2 nd PWR supply		1
	1.14. 750W AC front to back cooling PWR supply		1
	1.15. Network Module Blank		1
	1.16. NEMA 5-15 to IEC-C 8ft US		2
	1.17. Universal Crypto Image		1
1.18. 1000BASE-SX SFP Transceiver module, MMF, 850nm, DOM		8	
1.19. 1000BASE-SX SFP Transceiver module for Cat5		3	
2. CORE SWITCH PHYSICAL SPECIFICATION:			
2.1. Must have at least thirty-two (32) non-blocking 1/10G SFP port			
2.2. Must have Hot Swappable Redundant AC Power Supply			
2.3. Each chassis must include SFP Transceiver modules required for the network setup			
2.4. Must include three units of 1000BASE-T SFP transceiver modules for connection to Firewall			
2.5. Must include eight units of 1000BASE-SX transceiver modules for connection to Distribution Switches			
3. PERFORMACE AND SCALABILITY			
Must at least have the following:			
3.1. 800 Gbps switching capacity			
3.2. Can support up to 250 Mpps of throughput for IPv4 and 125Mpps for IPv6			
3.3. Must be capable of Virus Switching System (VSS) or equivalent			

