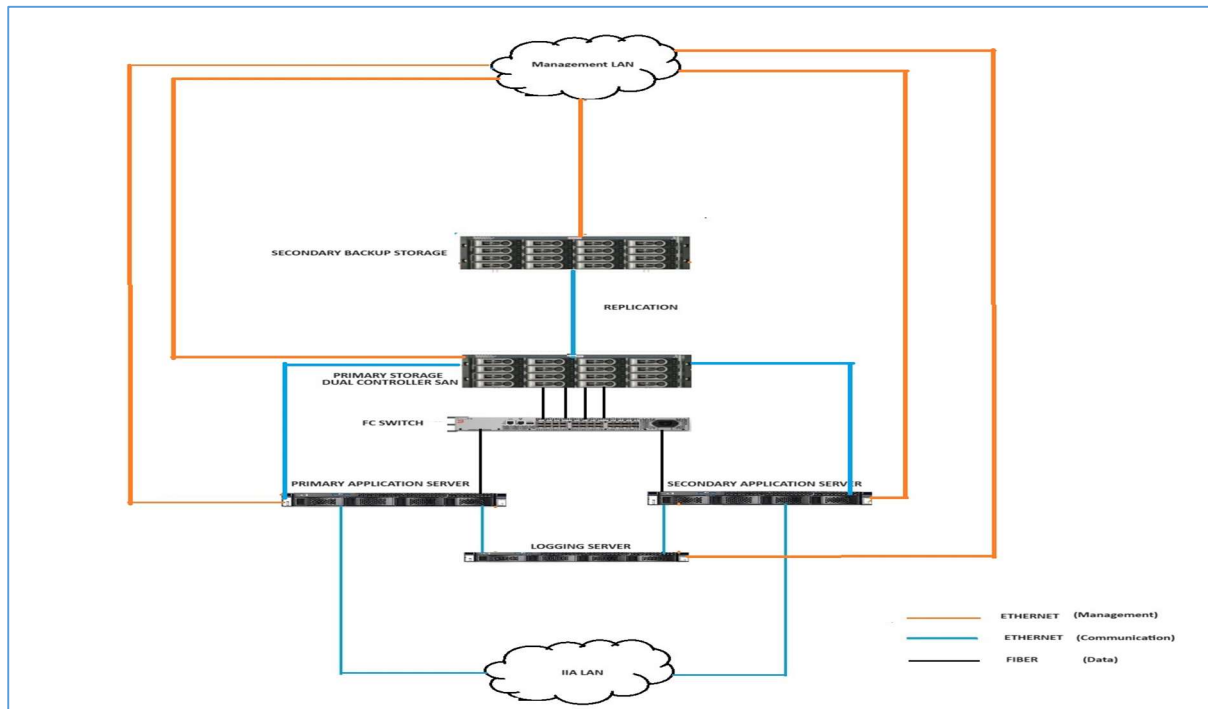# Solution Architecture for Procurement & Inventory Management Software solution

Physical Architecture

Solution Architecture

The proposed solution should comply the following system architecture to ensure a high level availability of the application.

Firewalls	Active-Active redundancy mode. If any one firewall fails then the other firewall should over to ensure zero downtime.
Load Balancers (LB)	Active-Passive redundancy mode. If any of the LB fails then the operation can be performed by another LB to ensure zero downtime.
Webservers	Active-Active redundancy mode. If any of the web server fails then the operation can be performed by another web server.
Application Servers	Active-Active redundancy mode. If any of the application server fails then the operation can be performed by another application server to ensure that there is minimum or zero downtime.
Database server	Active-Active redundancy mode. If any of the database server fails then the operation can be performed by another application server so that there is minimum or zero downtime.

	Hardware Specifications (Cost in IIA's scope)	Proposed Software Solution including provisioning of licenses: Installation, configuration, maintenance, upgradation, patch implementation of software (system & application) (Cost in Bidder's scope)
Server Hardware and Software Requirements for High Availability		
Primary Server		
Secondary Server		
Backup Server		
Logging Server		
SAN (Storage Area Network) Server (Dual Controller)		
SAN Switch		