

**BHARAT BHARAT HEAVY ELECTRICALS LIMITED**  
**ELECTRICAL MACHINES REPAIR PLANT**  
**MUMBAI-400 093**

SN	Technical Requirements for Anti Virus Solution
1	The Antivirus solution should provide enhanced antivirus protection for desktops, laptops & servers of all the attacks originating from places inside and outside of the network. Solution should be able to Detect and block viruses, threats, worms, trojan horses, spyware, Adware, RootKit or any other malicious programming code in real time with appropriate warning messages
2	The Antivirus solution must automatically scan external devices (Floppy disks, Compact disks, USB devices and Network shares in real-time when accessed) as soon as they are attached to PC, Server, Laptop etc.
3	Anti-Virus Software must have the capability to clean, Quarantine or delete Viruses and should be able to detect new classes of viruses by normal virus definition update mechanisms
4	The Antivirus solution must scan compressed file formats like ZIP, ARJ, GZIP, BZ2, JAR,, RAR, LHZ, TAR Microsoft compressed file etc.
5	The Antivirus solution Should have a Centralized Management Console/Admin Console to manage the anti-virus programs on the network from a single web-based console and deploy update mechanisms, policy to each system node, scheduling scan jobs, real time scan settings, signature distribution, alerting and analysis etc. Admin Console should be able to automatically receive the update patch of latest virus definitions and deploy to the clients/endpoints
6	Antivirus solution should be able to generate the information reports such as Antivirus coverage, Virus definition update, Virus infection detection and action performed etc
7	Antivirus solution should be capable of pushing client installation and updates from a centralized location and it should also support manual installation or uninstallation and update of client
8	Antivirus should provide centralized event logging to locate and cure virus problems.
9	Administrator Should be able to initiate virus sweeps remotely in case of an outbreak.
10	Administrator should have flexibility to schedule Scan and update at the endpoints from central Server.
11	Administrator must be able to distribute new and update anti-virus software, virus definitions and Policies automatically to clients and servers from a central location .
12	Solution should provide web based security which should analyse site address and block access to dangerous sites & scan the object downloaded over HTTP. The solution should protect the endpoint from network based attacks.
13	Solution should provide Mail antivirus features which: A. should protect from the threats that e-mail message may contain & Messages should be intercepted at the protocol level and by embedding into the most popular mail clients. B. should provide scanning capabilities for POP3, SMTP, NNTP & IMAP mail traffic, protecting email communications from one of the most common channels of malware attack C. should additionally have Microsoft Office Outlook plug-in
14	The Firewall module should have feature to allow or block certain network traffic, based on port-number / protocol and based on network address, should monitor the traffic from the applications installed on that endpoint. Specific rules can be created to block certain applications's network traffic.
15	The endpoint solution should have a feature to detect network attacks originating from a computer, and then block the traffic from that computer.
16	Solution should provide Application Control to regulate the activities of the running programs, namely, access to the file system and registry as well as interaction with other programs with the ability to Allow or Block based on administrator-applied policies.
17	Vendor or their Distributor should depute their qualified engineers for complete installation/deployment and necessary training onsite. Online as well as onsite support to be provided on need basis till licence expires.
18	The Antivirus Solution should be compatible with following configuration as per attached Annexure I of technical configurations of PC/Laptop/Server

## Technical Configurations of PC/Laptops/Server

### PC and Laptop

Processor: Dual Core/i3/i5 (workstation has either of Dual Core or i3 or i5)  
RAM: 1 GB or higher  
OS: Windows XP/7/8 (32 as well as 64 bit)  
HD Storage: 500 GB (minimum)

### Server

HP Proliant DL380 G5 server  
Ram: 32 GB  
OS: Windows Server2003 R2  
HD Storage: 176 GB

### OR

HP DL380p Gen8 Server  
RAM: 24 GB or higher  
OS: Windows Server2012  
HD Storage: 6X300 GB

### Mail Application

MS Office Outlook 2013  
POP3 based  
Mail Server Application: MDAemon 10.0.1