3.4 Non-Functional Requirements

# 3.4.1 Performance

Since the system is web based, the server/servers should be capable of handling large number of simultaneous requests(say 100).Thus the internet bandwidth should be as high as possible (2mbps recommended)to handle the large number of requests. It is recommended that the server hardware have at least 2GHz processing speed and 2GB RAM.

# 3.4.2 Reliability

The system should be able to manage machine status, lifetime even after some years without errors even though new machines may be added etc.

# 3.4.3 Availability

The system should have a downtime not greater than a few hours during which the buyer may not be able to view machine status, lifespan etc.

# 3.4.4 Security

Each machine personal data should store on machine own server and no other machine can view or change that data. Only a user verified by log in through ISW server can see machine data. To change or add machine data administration privilege required.

# 3.4.5 Maintainability

The database should be accessible to the administrators so as to carry out maintenance. The database should also be periodically backed up to prevent information loss due to system crashes. 3.4.6 Portability

The platforms on which the system runs should be generic enough to allow substantial amount of portability.