**Execution Plan Document**

**(Inventory Procurement Strategy)**

1. ER Diagram has been attached with this mail showing the basic DB and Logic Design,
2. Sample Data has been used which is mentioned in Code (attached with this mail) along with various RDBMS table to store the base data (Unprocessed/Raw data),
3. Create and Insert query has been used to create scenario,
4. As the code is self-explainable still I will try to write it down in words to make it more understandable:

**Sqoop Import:**

**Sqoop Import has been used to import data from RDBMS to HDFS (Hadoop Distributed File System), we will import data on the daily basis so that there will be less dependency with RDBMS for historical data.**

**We will store data in HDFS in below format;**

*/home/ecom/orderdata/2019 /Jan /26*

*/home/ecom/orderdata/2019 /Jan /28*

*/home/ecom/orderdata/2019 /Jan /29*

**And so on….**

**So, whenever we need to do analysis we can execute our code onto the respective data in HDFS.**

**Some Scripting has been used to automate the script which will store data in the above-mentioned format.**

***It is Self-explainable that we are fetching Today, yesterday date and so on:***

Today=$(date)

YesterDay="$(date -d "1 day ago"+%Y-%m-%d)"

YestDay="$(date -d"1 day ago"'+%d')"

YestMon="$(date -d "1 day ago"'+%m')"

YestYear="$(date -d "1 day ago"'+%Y')"

**Hive Tables:**

Creating Hive tables on the imported data respectively. Path in Hive tables should be same as imported data in Sqoop (The data in HDFS).

Respective Hive tables has been created for all the tables present in RDBMS.

**Hive (Data) Analysis:**

Final Analysis has been done to get the desired result.