Problem statement - To create order Table & reports

We want to create a Order/Demand Table from following information .

In PADM Branch , Item , Category , Wt Range & Size are the decision making factors to decide a unique item.

Based on this unique item , Reorder level and current stock at each branch , we want to calculate Demand for each branch . This demand may be positive or negative.

In PADM Main Store is also treated as Branch(Store) .

Once demand is calculated , based on demand & pending order items New order will be generated.

Observations :- These observations are based on Excel sheet which Inventory Dept is using currently.

There are Two reports PADM imported to Excel. ( Check Tables or reports)

1. All Branch Order Requisition Report

Columns -

Branch , Item , Category ,Purity ,Size , Wt Range , Exact Wt. , Branch Reorder Level , Branch Stock , Branch Requisition ( As per user Branch stock is wrongly calculated)

1. All Branch Stock Report ( Table 2)

Columns -

Branch , Item,Category,Wt Range , Size, , Sum of Pcs , Hallmark

Output :-

We want to generate a table with -

Branch , Item ,Category ,Wt Range , Size , Purity ,Exact wt , Branch Reorder level , Branch wise Stock , Demand , Hallmark.

Data to this table -

Branch wise stock and hallmark from Stock report

Rest from Requisition Report.

Demand = Reorder level – Stock

For joining two reports/table

Branch+item+category+wt Range+size is the unique key

( This fill will contain 30000- 50000 Records )

Report Generation based on above table –

First Report

Item , Category , Wt Range ,Size , Exact Wt , Branch A , Branch B , ……… Branch N Total HMK

R S D R S D ………….R S D R S D

Here Total is for all branches

Second Report

Item Category Wt Range Size , Exact Wt , Branch A-D , Branch B-D …… Branch N -D Less Excess

Here D is either positive or Negative

Less = Sum of all -ve D

Excess is Sum of +ve D

Third Report will be

Item Category Wt Range Size Exact Wt , CSPL-D Less Excess , Actual Demand , total Reorder level , Hallmark

Here

Actual Demand = Less-Excess

Total Reorder level = total of all branches reorder level

For above all calculations - item+ Category+Wt Range+ Size is the unique key