-- Forecast & EAU --

EAU = Forecast \* Qty Per Unit

5 Years Total EAU = SUM(EAU)

-- Material --

Annual Raw Material Requirement = Total RM Weight \* EAU

Approximate Finished Part Weight Per Part = Total RM Weight \* 0.4

Approximate Raw Material Weight Per Part = Total RM Weight

Total Raw Material Weight Per Year = Total RM Weight \* (5 Years Total EAU / 5)

-- Part Costing --

--- Time ---

Production Qty = EAU year-3 / 4 \*\*

Total Cycle Time (Minutes) = (Machining Set Up Time / Production Qty) + Cycle Time Per Part

--- Cost ---

Total Cycle Cost (Dollar) = (Active Rate / 60) + Total Cycle Time

Special Process Cost (Dollar) = Special Process Rate \* (1 / Production Qty)

-- 1S --

X Cycle Cost (Dollar) = (Active Rate / 60) + Cycle Time Per Part \*\*\*

Hardware Cost = 3.5 \* Qty per unit \* 1.3

Material Cost DDP CCS = (Base Material Price/kg + Material Shipping Cost USD/Kg) \* Approximate

Raw Material Weight Per Part \* 1.12

Total Hardware Cost = Hardware Cost

Surface Treatment Cost = SUM(Special Process Cost)

Manufacturing Cost = SUM(Total Cycle Cost) + SUM(X Cycle Cost) + NRE Amortizing Cost

-- 2S --

Additional MFG OH Factor = Manufacturing Cost \* 0.1

Profit Factor = Manufacturing Cost \* 0.1

Total Manufacturing Cost = Manufacturing Cost + Additional MFG OH Factor + Profit Factor

CCS Ex-works Price = Total Manufacturing Cost + Surface Treatment Cost + Material Cost DDP CCS + Total Hardware Cost

CCS Price Per Part/Assy Ex\_works BKK Thailand = SUM(CCS Ex-works Price) of all child (ONLY FOR MOTHER) \*\*\*\*

-- 3S --

EBQ\_CCS QTY (Prodn Lot) = EAU year3 / 4 \*\*

Minimum Firm Order Quantity/Lot = EAU year3

MOQ Raw Material Order (kg) = (EAU year3 \* Approximate Raw Material Weight Per Part) / 4

One Year Raw Material Buy (kg) = Total Raw Material Weight Per Year

Total NRE Cost = One Time Special Process Set Up Cost + One Time RM Airshipments Cost + One Time Tooling Cost

Total Cost = CCS Price Per Part/Assy Ex\_works BKK Thailand \* 5 Years Total EAU

Mtl Cost = Material Cost DDP CCS \* 5 Years Total EAU

Spl Process Cost = Surface Treatment Cost \* 5 Years Total EAU

-- Machining Capacity Required for the Project --

Machining Capacity Required for the Project = Total Cycle Time \* 5 Years Total EAU

\*\* ?

\*\*\* inspection cost and assembly cost use inspection rate, deburring cost and lapping cost use deburring rate

\*\*\*\* ?

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Where to put ?

Hard ware description (X) - TEXT?

Hard ware Qty per part (Y) - NUM?

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Default value of each input ?

- NUM

- TEXT

- REF MOTHER ?

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