

TPU AUTOMATION

SCOPE DOCUMENT

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PREPARED BY
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PROJECT OBJECTIVE:

The TPU Automation helps automate the past and future process to Review and reconcile the balances of TPU Excel with the Company books.

PROJECT DESCRIPTION:

The TPU's are third party Manufacturing units that supply semi finished or finished products based on the order requirements placed by the Company. The Manufacturing will be started once the PO is released and we can purchase and sell the finished goods at our depots. The Invoice register and Inventory register from TPU has to be compared with Purchase register and Stock register of our SAP and Summary sheet has to be prepared out of it. This process is to reconcile all transactions made by our SAP and TPU's Excel in Yearly basis for past process and monthly transactions comparison has to be made for future process.

PROJECT SCOPE:**PAST PROCESS:**

S.NO	MENU	DESCRIPTION
1.	Business Finance	<ul style="list-style-type: none">- The below information must be fetched from SAP T-code Me32K as Order no / Contract no, Material code, Material description and Net Price.- The PO Qty, PO Cost must be fetched with SAP T- Code ZCKMM08 in order to calculate PO Rate.- PO Rate is calculated using the formula below, PO Rate = PO Cost/ PO Qty.- The Dashboard should be with the Headers S.no, Material Code, BOM Rate, Old Rate and Difference.- S.no, Material Code and Material description should be fetched from SAP.- BOM rate is taken from TPU Excel file for the current month on year.- Old Rate will be last uploaded PO Rate in SAP.- Difference is calculated by below formula, Difference = BOM Rate – Old Rate. For Current Month order updation Previous 2 months order should be taken for comparison.

FUTURE PROCESS:

S.No	Menu	Description
1	Business Finance	<ul style="list-style-type: none">- The Items supplied to TPU's for Manufacturing should be fetched from SAP with T-code Me32K.- The User must provide Order No/Contract No as manual input field and to fetch the Existing SAP Entries of Mat Code, Mat Desc and Net price should be taken for per piece.- The Above detail fetched from SAP has to be

		shown in terms of record as well as Excel downloadable format.
2	Procurement/ Purchase Team	<ul style="list-style-type: none"> - The RM and PM from respective TPU's must be uploaded through Bulk Upload option. - The Uploaded details must be listed with help of records and it should be Excel downloadable. - The Above input visibility should be made for Business Finance
3	Manufacturing Team	<ul style="list-style-type: none"> - The BOM from respective TPU's must be uploaded through Bulk Upload option. - The BOM Excel file will be based on RM and PM defined by Purchase Team. And with the Headers as Status, type, New Product Code, Product Name, Material Code, Material Name, BOM, Landed Cost, Wastage, Sp.Gravity. - The Uploaded details must be listed with help of records and it should be Excel downloadable. - The Uploaded BOM value has to be updated on Monthly Basis. - The Above input visibility should be made for Business Finance
4	Business Finance 1) Comparison of Inventory registers from TPU with Our Purchase Register in SAP. <ul style="list-style-type: none"> - Inventory Register - Purchase Register/Arrival Register 2) Verify stock register by Comparing Stock <ul style="list-style-type: none"> - Stock Statement 	<p>The Business finance has to perform the process below,</p> <ul style="list-style-type: none"> – Compare Inventory register of TPU with Our Purchase Register in SAP. – Verify stock register by Comparing Stock statement of TPU with Our Invoice Register in SAP. – Display the Summary sheet in dashboard. <ul style="list-style-type: none"> - Inventory Register Excel file received from TPU has to be uploaded with bulk upload option. - The Uploaded details must be listed with help of records and it should be Excel downloadable. - Purchase Register has to fetch from SAP with T-Code ZCKMM08 by providing the inputs as Vendor code, Plant- select all and Month as Current month. - The Comparison of the Qty and PO rate has to be made and it must be same in Inventory Register of TPU's as well as purchase register of ours. <ul style="list-style-type: none"> - The Stock statement Excel file received from TPU has to be uploaded with bulk upload option.

	<ul style="list-style-type: none"> - Invoice Register/ Monthly opening & Closing <p>3) Display the Summary sheet in dashboard.</p>	<ul style="list-style-type: none"> - The Uploaded details must be listed with help of records and it should be Excel downloadable. - Invoice Register has to be fetched from SAP T-Code ZCKMM08. - And Comparison of Previous month closing stock and current month opening stock has to be made with both the files, respect to Order No/ Material No/ PO No. - If any Difference arises then it must be notified in order for the business finance team to communicate with respective TPU's. - The Summary sheet has to be prepared in order with below headers as, - Material code, Material Description, PO Qty, PO Base has to be fetched from ZCKMM08 SAP T-code. - PO Rate should be calculated by below formula, PO Rate = PO Base/ PO Qty. - BOM Rate should be calculated by below formula, ✓ Cost / Ton = BOM rate * Landed Cost* Wastage* Specific gravity. ✓ In CFC there are two CFC's namely Inner and Outer. Only if Outer CFC mentioned in material description should be taken. ✓ Cost / CLD (Cost per case) = Cost per Ton / CFC Value. BOM Rate = Sum of Total Cost/CLD. - RBA should be calculated by below formula, RBA = PO Cost – BOM Cost. - Additional Column should be calculated by below formula, Add. Column = PO Qty * 3.2(Rs). - Net RBA should be calculated by below formula, Net RBA = RBA – Add. Column. - Total will be calculated by Sum of all Net RBA. This will be considered as Net Amount Receivables from TPU.
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