



**POWER OF SIMPLICITY**

## **Developer Manual – Sync as Consolidated Journal Voucher**

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# Sync as Consolidated Journal Voucher

## Scenario

The **Power Machinery Manufacturers Ltd** is having Head Office at Bangalore and Branch offices at Chennai, Mumbai, Kolkata and Delhi. The company is using Tally in Head office and all its Branch Offices.

Branch Offices need to send their data to Head Office daily basis through Tally Data Synchronization feature. Head office requires only the consolidated entry for all the transactions happened during the day at branch, since the volume of transactions is high in every branch. In other words, the branch office has to make a consolidated journal voucher at the end of the day and synchronize the same instead of sending all the transactions.

## Requirement Statement

In Tally, preparation of Consolidated Journal Voucher also not possible and also synchronizing the transactions of selected voucher type is also not possible at present. Hence, this requirement needs to be customized.

## Solution

The requirement can be achieved by following the below steps:-

- I. Preparation of Consolidated Journal Voucher
- II. Synchronization of Consolidated Journal Voucher

### I. Preparation of Consolidated Journal Voucher

We need to prepare an optional Consolidated Journal Voucher for all the transactions happened in a day. Since it is an optional voucher, it will not affect the books of accounts. The consolidated JV can be prepared by following the below steps:-

- a. Add an Item in Gateway of Tally Menu and call a report in create mode. Get the Date of the Group Voucher, Store it in a Variable and open a Sub-form.

```
[#Menu : Gateway of Tally]
```

```
Add : Key Item : Group Vouchers :G : Create : Change Vou Date
```

- b. In the sub form report, include a part having two lines (i.e Top Line for voucher details & Bottom Line for Voucher Narration if required).
  - i. In part level using the attribute “Set” fix the number of line to 1.
  - ii. Top Line must be repeated over a Voucher Collection. The repeat line should have the fields such as Voucher Type Name, Voucher Number, Voucher Date, Effective Date etc. The field values needs to be hardcoded. [Use default storages to store the field values]  
Explode to another part.
- c. In the Exploded part, include a line which repeats over the collection “Ledger Entries”. Set the number of lines based the number of objects in the ledger collection. Refer to the below code snippet:-

```
[Part : DetPart]

Line      I: DetLine
Bottom Line : NarrLine
Repeat    : DetLine :LedgerEntries
Set       : $$NumItems:MyLedgers
Scroll    : Vertical
```

The collection “MyLedgers” is of Type Ledger with filters. Refer to the following code snippet:-

```
[Collection : MyLedgers]

Type      : Ledger
Filter    : NoBalFlt
Sort      : Default      : $FinBal2
```

The filter “NoBalFlt” is a system formula:-

```
NoBalFlt      : (Not $$IsEmpty:$FinBal2) And $Name != "Profit & Loss A/C"
```

\$FinBal2 is a method added to ledger object:-

```
[#Object : Ledger]

FinBal2      : $FinBalCl - $FinBalOp
FinBalOp     : $$FromValue:##SVCURRENTDATE:$$ToValue:##SVCURRENTDATE:$OpeningBalance
FinBalCl     : $$FromValue:##SVCURRENTDATE:$$ToValue:##SVCURRENTDATE:$ClosingBalance
```

The repeated line should have fields to indicate “Dr/Cr”, Ledger Name Field, Debit Amount Field, Credit Amount Field and Amount Field. Explode to another part if the Ledger is enabled with Cost Centre option.

- d. In the Exploded part, include a line which repeats over the collection “CategoryAllocations”. Refer to the below code snippet:-

```
[Part:CCatAllocPart]
Line      : CCatAlloc
Repeat    : CCatAlloc:CategoryAllocations
Scroll    : Vertical
Set       : 1

[Line :CCatAlloc]

Field     : CCatFld,LedFld
Explode   : CCatAllocPart : Yes
Local     : Field :LedFld:Set As :$$ExplodeOwner:#LedFld
Local     : Field :LedFld:Invisible :Yes
```

The repeated line will have the fields such as Category Name and Ledger Name. Explode to another part

- e. In the Exploded part, define a line and repeat the line over the collection “Cost centre Allocations”. The repeated line will have the fields such as Ledger Name, Cost Centre Name and Cost Centre Amount.

```
[Part : CCAAllocPart]

Line      : CCLine
Repeat    : CCLine :Costcentre Allocations
Scroll    : Vertical
Set       : $$NumItems:CC

[Line:CCLine]

Field     : LedFld,CCNameFld,CCAmtFld
Indent    : 8
Local     : Field :LedFld:Set As:$$ExplodeOwner:#LedFld
Local     : Field :LedFld:Invisible :Yes
```

- f. Define the Bottom Line [Narration Line] which specified in the main part

```
[Line:NarrLine]

Field     : Medium Prompt,NarrFld
Local     : Field :Medium Prompt : Info : "Narration :"
```

- g. Once this report is saved, an optional Consolidated Journal Voucher will be created. Refer to the below screen shots:-

Tally.ERP 9:45000

P: Print E: Export M: E-Mail O: Upload G: Language K: Keyboard K: Control Centre H: Support Centre H: Help F3: Vou. Date

Creation of Journal Voucher Power Machinery Manufacturers Ltd-Branch-II Ctrl + M

Journal Sync	No. :	Opt1-Apr-2009	Optional	Date :	1-Apr-2009	1-Apr-2009
Dr	Velu		1,000.00		1,000.00	Dr
Dr	Suresh		800.00		800.00	Dr
Dr	Ramesh		500.00		500.00	Dr
Cr	Cash			300.00	300.00	Cr
Cr	Sales			1,000.00	1,000.00	Cr
Primary Cost Category						
Cost1		1,000.00 Cr				
Cr	Sales1		1,000.00		1,000.00	Cr
Narration :		Being the consolidated entry.				

Q: Quit Ctrl + N

Tally MAIN --> Gateway of Tally --> Change Vou Date --> Creation of Journal Voucher (c) Tally Solutions Pvt. Ltd., 1988-2009 Mon, 5 Oct, 2009 12:00:20



Tally.ERP 9:45000

P: Print E: Export M: E-Mail O: Upload G: Language K: Keyboard K: Control Centre H: Support Centre H: Help

Accounting Voucher Alteration (Secondary) Power Machinery Manufacturers Ltd-Branch-II Ctrl + M

Journal Sync No. 1 1-Apr-2009 Wednesday

Particulars	Debit	Credit
By Velu Cur Bal: 1,000.00 Dr	1,000.00	
By Suresh Cur Bal: 800.00 Dr	800.00	
By Ramesh Cur Bal: 500.00 Dr	500.00	
To Cash Cur Bal: 300.00 Cr		300.00
To Sales Cur Bal: 1,000.00 Cr		1,000.00
Cost1 1,000.00 Cr		1,000.00
To Sales1 Cur Bal: 1,000.00 Cr		1,000.00
Narration: Being the consolidated entry	2,300.00	2,300.00

Q: Quit A: Accept D: Delete X: Cancel

Tally MAIN --> Gateway of Tally --> Display Menu --> Day Book --> Accounting Voucher Alteration (Secondary) (c) Tally Solutions Pvt. Ltd., 1988-2009 Mon, 5 Oct, 2009 12:03:36

## II. Synchronization of Consolidated Journal Voucher

Once the Consolidated Journal Voucher (Optional Voucher) is prepared, we need to send the voucher to server. This requirement can be achieved through VoucherTypewise Security Control.

A filter can be added to the collection SVSendClientMsgs such a way that only the specified voucher type has to be synchronized.

This TDL can be made user friendly by using the following steps:-

- Get the option whether the voucher type has to be synchronized or not at the Voucher Type Master and store it in a UDF of logical type. Refer to the below screen shot



Tally.ERP 9:45000

P: Print E: Export M: E-Mail O: Upload G: Language K: Keyboard K: Control Centre H: Support Centre H: Help

**Voucher Type Creation** Power Machinery Manufacturers Ltd-Branch-II Ctrl + M

Name : **Journal Sync**  
(alias) :

General		Printing	Name of Class
Type of Voucher : <b>Journal</b>		Print after saving Voucher ? <b>No</b>	
Abbr. : Jmnl			
Method of Voucher Numbering ? <b>Automatic</b>			
Use Advance Configuration ? <b>No</b>			
Use EFFECTIVE Dates for Vouchers ? <b>No</b>			
Make 'Optional' as default ? <b>No</b>			
Use Common Narration ? <b>Yes</b>			
Narrations for each entry ? <b>No</b>			
To be Synchronized : <b>Yes</b>			

Q: Quit A: Accept D: Delete

Tally MAIN --> Gateway of Tally --> Accounts Info. --> Voucher Types --> Voucher Type Creation (c) Tally Solutions Pvt. Ltd., 1988-2009 Mon, 5 Oct, 2009 12:01:57

- b. Apply the filter in the collection such that only the specified voucher types will be synchronized, in our case it is Consolidated Journal Voucher.

## TDL Capabilities Used

- I. Collections
- II. Actions, Variables, User Defined Fields