

Transport Management System - Schedule Billing

Transportation Charges Calculation Overview:

Dop uses following modes of Transport for Bag Transmission

- Air
- Rail
- RTC
- Contractual Vehicles

Steps to be followed for calculating transport charges for any modes of transport in DOP:

1. Vendor / Carrier Master Data creation in ECP Server
2. Migration of vendor as Business Partner (BP) in TM server.
3. Rate tables Creation in TM server.
4. Calculation Sheet creation in TM server.
5. Freight agreement creation in TM server
6. Transportation Charge Calculation Request in ECP Server.
7. Creation of Freight Settlement in TM server
8. Invoice Verification in ECP server
9. Payment to Vendor in F&A

1. Vendor creation in ECP server :

- This process is similar to creating vendor in procurement module.
- Logon to SAP ECP system and execute the transaction XK01
- Enter Company code as DOPI.
- Enter Purchasing Organization as DOPI.
- Enter Account Group as ZSER.

Create Vendor: Initial Screen

Vendor	<input type="text"/>
Company Code	DOPI
Purchasing Organization	DOPI
Account Group	ZSER <input type="button" value="F4"/>

Reference	
Vendor	<input type="text"/>
Company code	<input type="text"/>
Purchasing Organization	<input type="text"/>

- Press Enter. In the Address screen, enter Vendor Name and Address

Create Vendor: Address

Vendor: INTERNAL

Preview

Name

Title: Company

Name: Train T2011

Search Terms

Search term 1/2: TRAIN 2011

Street Address

Street/House number:

Postal Code/City: 570001 Mysore

Country: IN India Region:

Time zone: INDIA

PO Box Address

PO Box:

- Press Enter multiple times until you reach the Accounting information Accounting screen.
- Enter Recon. Account as 8000060004 (Service Vendor) and Sort key as 012 (Vendor number)

Create Vendor: Accounting information Accounting

Vendor: INTERNAL Train T2011 Mysore

Company Code: DOPI Department of Post India

Accounting information

Recon. account: 8000060004 Sort key: 012

Head office:

Authorization:

Cash mgmnt group:

Release group:

Interest calculation

Interest indic.:

Interest cycle:

Last key date:

Last interest run:

Reference data

Prev.acct no.:

- Press Enter. In the Payment Transactions Accounting screen, enter Payment Terms and the Payment Methods as required.

Create Vendor: Payment transactions Accounting

Vendor: INTERNAL Train T2011 Mysore
Company Code: DOPI Department of Post India

Payment data

Payt Terms: 0001 Tolerance group:
Cr memo terms: Chk double inv.: ☒
Chk cashing time:

Automatic payment transactions

Payment methods: CET ☐ Payment block: ☐ Free for payment: ☐
Alternat.payee: House Bank:
B/exch.limit: INR
Pmt adv. by EDI: ☐ Alt.payee(doc.): ☐ Permitted Payee:
PmtAdv. XML:

Invoice verification

Prepayment: ☐

- Press Enter. In the Purchasing Data screen, enter Order Currency as INR.
- Enter the Terms of Payment as INCO Terms as required.
- In Schema Group, Vendor enter 01 (Schema Vendor- Indigenous).
- In Control Data, select GR-Based inv. Verif. and Srv.-Based Inv. Ver.

Create Vendor: Purchasing data

Vendor: INTERNAL Train T2011 Mysore
Purchasing Org.: DOPI Department Of Post

Conditions

Order currency: INR Indian Rupee
Terms of paymnt: 0001
Incoterms: FOB EXW
Minimum order value:
Schema Group, Vendor: 01 Schema Vendor- Indigenous
Pricing Date Control: ☐ No Control
Order optim.rest.:

Sales data

Salesperson:
Telephone:
Acc. with vendor:

Control data

☒ GR-Based Inv. Verif. ☐ RMA Required
☐ AutoEvalGRSetmt Del. ☐ ModeOfTrnsprt-Border
☐ AutoEvalGRSetmt Ret. ☐ Office of entry
☐ Acknowledgment Req'd ☐ Sort criterion
☐ Automatic purchase order ☐ PROACT control prof. By VSR sequence number
☐ Subsequent settlement ☐ Revaluation allowed
☐ Subseq. sett. index ☐ Grant discount in kind

☐ B.vol.comp./ag.nec. ☐ Relevant for Price Det. (Vendor Hierarchy)
☐ Doc. index active ☐ Relevant for agency business
☐ Returns vendor
☒ Srv.-Based Inv. Ver. Shipping Conditions: ☐

Default data material

Purchasing group:
Planned deliv. time: Day(s)
Confirmation Control:
Unit of measure grp:
Rounding Profile:

Service data

Price marking agreed: ☐
Rack-jobbing service agreed: ☐
Order entry by vendor: ☐
Serv. level:

- Press Enter and Save the vendor.

Create Vendor: Initial Screen

Vendor: []
Company Code: DOPI Department of Post India
Purchasing Organization: DOPI Department Of Post
Account Group: ZSER

Reference
Vendor: []
Company code: []
Purchasing Organization: []

Vendor 4000000855 has been created for company code DOPI purchasing organization DOPI

2. Migration of vendor as Business Partner(BP) in TM server

- Logon to SAP ECP system and execute the transaction CFM1.
- Enter the Model Name as ZVENDOR.
- Enter the Logical system as TMTCLNT300.
- Enter APO Application as ZVENDOR.
- Press Enter.
- Select the Vendor checkbox and click the Restricted Values (Button next to Vendor).

Create Integration Model

Model Name: ZVENDOR
Logical System: TMTCLNT300
APO Application: ZVENDOR

Material Dependent Objects

<input type="checkbox"/> Materials	<input type="checkbox"/> Plants
<input type="checkbox"/> MRP Area Matl	<input type="checkbox"/> MRP areas
<input type="checkbox"/> Customer Matl	<input type="checkbox"/> Supply Area
<input type="checkbox"/> Planning Matl	
<input type="checkbox"/> ATP Check	
<input type="checkbox"/> SimpleDis	
<input type="checkbox"/> Extern. Plant	
<input type="checkbox"/> Contracts	<input type="checkbox"/> SchedAgreements
<input type="checkbox"/> Pur.Info Record	
<input type="checkbox"/> PPM	
<input type="checkbox"/> PDS (ERP)	<input type="checkbox"/> BOM
<input type="checkbox"/> Storage Loc.Stk	<input type="checkbox"/> Transit Stock
<input type="checkbox"/> Sales Ord Stock	<input type="checkbox"/> Project Stocks
<input type="checkbox"/> Cust. Spec. Stk	<input type="checkbox"/> Vend. Spec. Stk

General Selection Options for Materials

Material	to	
Plnt	to	
Matl Type	to	
PlantSpec. Mtl Stat	to	
MRP Ctrlr	to	
MRP Type	to	
ABC Indicator	to	

Material Dependent Objects

☐ Materials ☐ Plants
☐ MRP Area Matl ☐ MRP areas
☐ Customer Mat. ☐ SchedAgreements
☐ SimpleDis ☐ Sched. VMI
☐ Contracts ☐ Batches
☐ Pur.Info Record

Material Independent Objects

☐ Customers ☒ Vendors
☐ Shipping Points ☐ Classes/Charact

General Selection Options for Materials

Material _____ to _____
 Plant _____ to _____
 Matl Type _____ to _____
 PlantSpec. Mtl Stat _____ to _____
 MRP Ctrlr _____ to _____
 MRP Type _____ to _____
 ABC Indicator _____ to _____

Vendors

Vendor _____ to _____
 Account Group _____ to _____
 Purchasing Org. _____ to _____
 Company Code _____ to _____
 Search term _____ to _____
 Purch. Group _____ to _____
 Partner Functn _____ to _____
 Create Loc./BP _____ to _____

- Enter the Vendor number. Enter or select 1 in Create Loc./ BP.

Create Integration Model

Material Dependent Objects

☐ Materials ☐ Plants
☐ MRP Area Matl ☐ MRP areas
☐ Customer Mat. ☐ SchedAgreements
☐ SimpleDis ☐ Sched. VMI
☐ Contracts ☐ Batches
☐ Pur.Info Record

Material Independent Objects

☐ Customers ☒ Vendors
☐ Shipping Points ☐ Classes/Charact

General Selection Options for Materials

Material _____ to _____
 Plant _____ to _____
 Matl Type _____ to _____
 PlantSpec. Mtl Stat _____ to _____
 MRP Ctrlr _____ to _____
 MRP Type _____ to _____
 ABC Indicator _____ to _____

Vendors

Vendor 4000000855 to _____
 Account Group _____ to _____
 Purchasing Org. _____ to _____
 Company Code _____ to _____
 Search term _____ to _____
 Purch. Group _____ to _____
 Partner Functn _____ to _____
 Create Loc./BP 1 to _____

- Click on Execute (or F8).

Create Integration Model

Material Dependent Objects

☐ Materials ☐ Plants
☐ MRP Area Matl ☐ MRP areas
☐ Customer Mat. ☐ SchedAgreements
☐ SimpleDis ☐ Sched. VMI
☐ Contracts ☐ Batches
☐ Pur.Info Record

Material Independent Objects

☐ Customers ☒ Vendors
☐ Shipping Points ☐ Classes/Charact

General Selection Options for Materials

Material _____ to _____
 Plant _____ to _____
 Matl Type _____ to _____
 PlantSpec. Mtl Stat _____ to _____
 MRP Ctrlr _____ to _____
 MRP Type _____ to _____
 ABC Indicator _____ to _____

Vendors

Vendor 4000000855 to _____
 Account Group _____ to _____
 Purchasing Org. _____ to _____
 Company Code _____ to _____
 Search term _____ to _____
 Purch. Group _____ to _____
 Partner Functn _____ to _____
 Create Loc./BP 1 to _____

- Select record and click Generate IM.

Create Integration Model

Material Dependent Objects

☐ Materials ☐ Plants
☐ MRP Area Matl ☐ MRP areas
☐ Customer Mat. ☐ SchedAgreements
☐ SimpleDis ☐ Sched. VMI
☐ Contracts ☐ Batches
☐ Pur.Info Record

Material Independent Objects

☐ Customers ☒ Vendors
☐ Shipping Points ☐ Classes/Charact

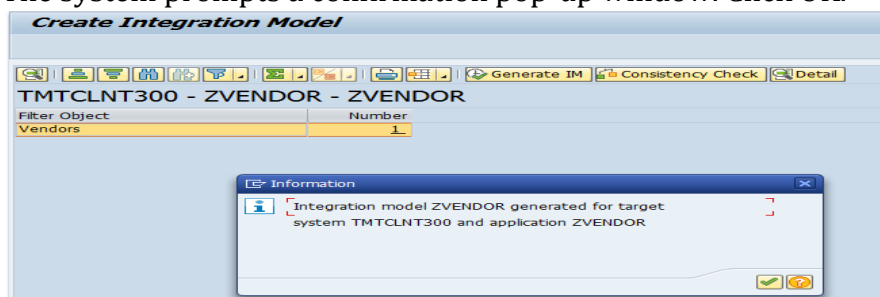
General Selection Options for Materials

Material _____ to _____
 Plant _____ to _____
 Matl Type _____ to _____
 PlantSpec. Mtl Stat _____ to _____
 MRP Ctrlr _____ to _____
 MRP Type _____ to _____
 ABC Indicator _____ to _____

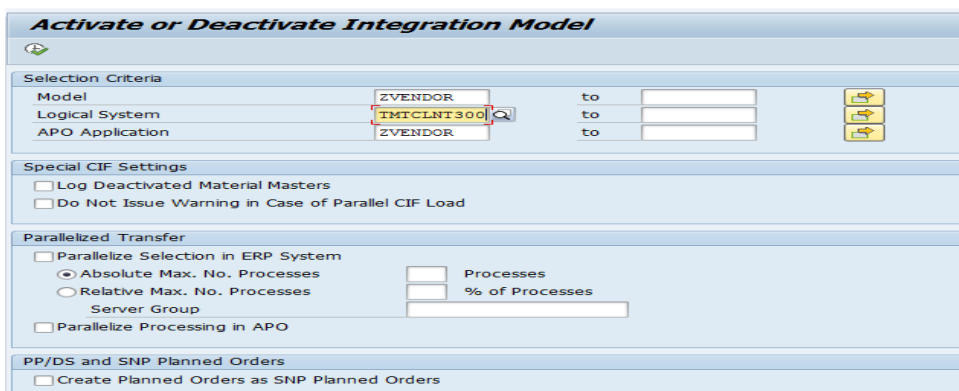
Vendors

Vendor 4000000855 to _____
 Account Group _____ to _____
 Purchasing Org. _____ to _____
 Company Code _____ to _____
 Search term _____ to _____
 Purch. Group _____ to _____
 Partner Functn _____ to _____
 Create Loc./BP 1 to _____

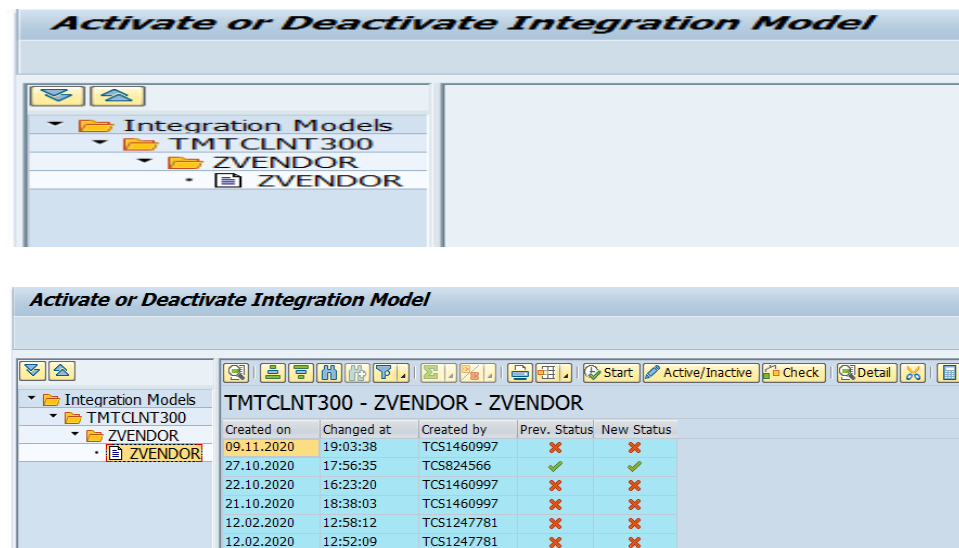
- The system prompts a confirmation pop-up window. Click OK.



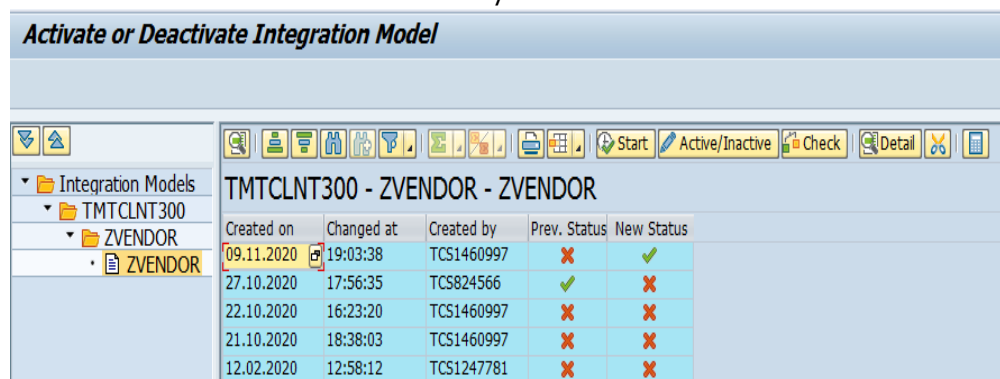
- Execute the transaction CFM2 and enter the following details:
- Enter the Model Name as ZVENDOR.
- Enter the Logical System as TMTCLNT300.
- Enter APO Application as ZVENDOR.
- Click Execute.



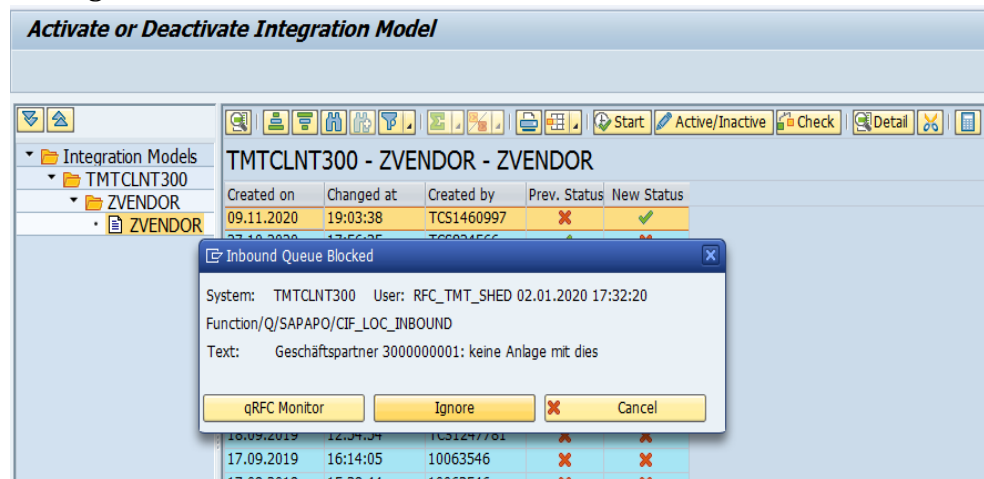
- Click on ZVENDOR.



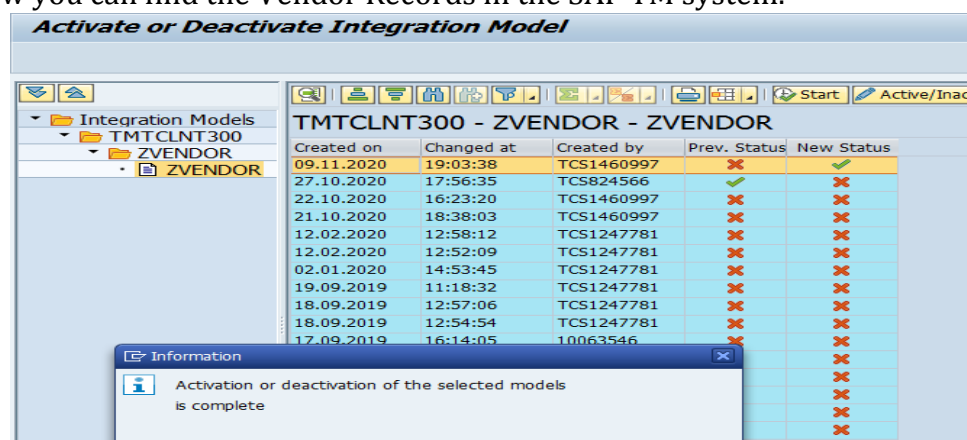
- Select the latest record and click Active/Inactive.



- New status turns into Active mode that is check mark.
- Select the latest records and click Start. This will start sending the Data to the SAP TM system.
- Click on Ignore.



- Now you can find the Vendor Records in the SAP TM system.



- Select the BP role as Carrier. Go to Vendor Org Data tab. Enter Purchasing Organization as DoP Purchase Org (50000609) and Purchasing Group as respective Circle.

Change Organization: 4000000855, role Carrier

Business Partner: 4000000855 Train T2011 / 570001 Mysore
Change in BP role: CRM010 Carrier (Maintained)

Find: 1 Business Part...
By: 1 Number
BusinessPartner: 4000000855
Start

Partner: 4000000855 Description: Train T2011 / 570001 Mysore

Purchase Org. Settings

Purchasing Org.	R Org. Descr.
50000609	DoP Purchase Org

Additional Settings

☐ Central Purchasing Block

Purchase Group: 50000610 Karnataka Circle

Account with vendor:
FSD Profile ID:
Calculation Profile ID:

- Click Save.

Change Organization: 4000000855, role Carrier

Business Partner: 4000000855 Train T2011 / 570001 Mysore
Change in BP role: CRM010 Carrier (Maintained)

Find: 1 Business Part...
By: 1 Number
BusinessPartner: 4000000855
Start

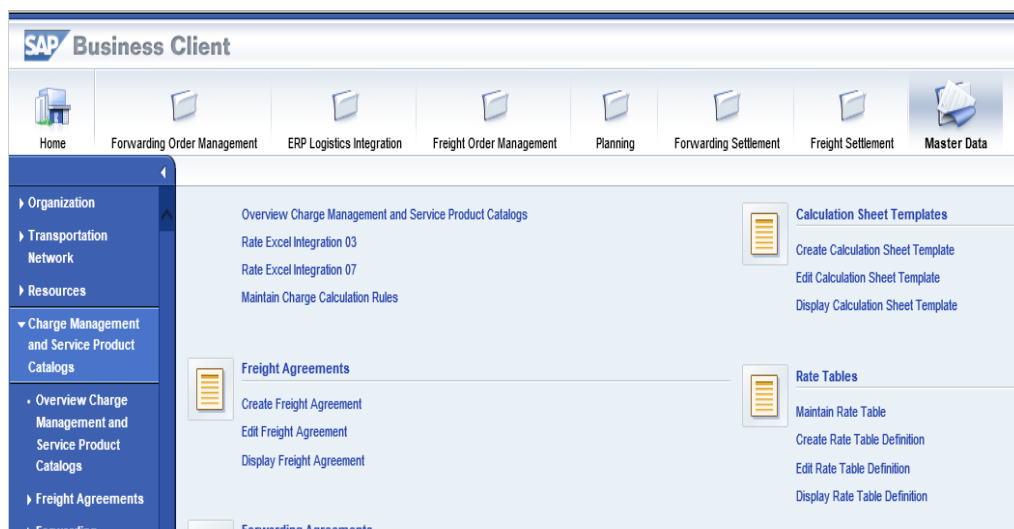
Partner: 4000000748 Southern railway / 570001
4000000749 South Indian Railway 5 / 5
4000000750 Indian Rail south 1 / 5700
4000000752 Train T2010 / 570001 My
4000000753 AIR Vendor / 110001 Del
4000000754 CEPT AIR / 570001 MYSU
4000000755 PRATYU ENTERPRISES / 1
4000000756 RANJU ENTERPRISES / 57
4000000757 TEJU ENTERPRISES / 570
4000000758 T2020 / 110006 New del
4000000828 TM Vendor / Delhi
4000000851 TMT Vendor / 110001 De
4000000855 Train T2011 / 570001 My

Name: 0003 Company
Name: Train T2011
Salutation:
Search Terms: Search Term 1/2: TRAIN 2011
Standard Address: Street Address: T2020 / 110006 New del
Postal Code/City: 570001 Mysore
Country: IN India Region:

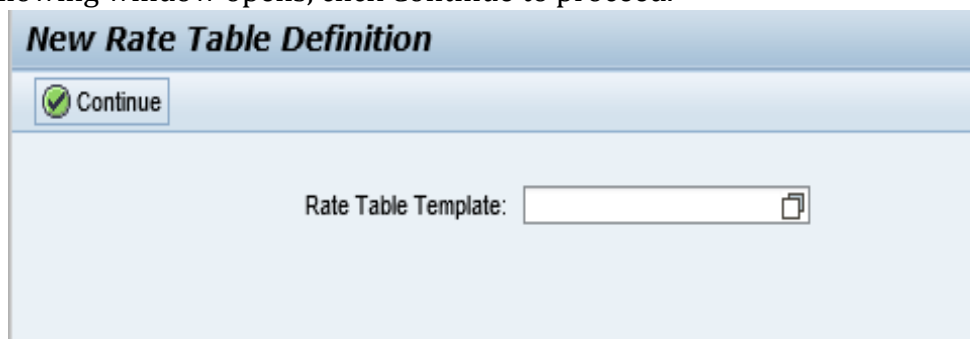
Changes have been saved

3. Rate Table creation in TM server

- Log on to the SAP TM system and execute the transaction NWBC.
- Internet Browser opens; click the ZS-TMS TRANSPORTATION_MGR_V2 role.
- The system opens SAP Business Client, click Master Data tab on the upper-right corner.
- Click Charge Management and Service Product Catalogs on the left corner and click Create Rate Table Definition.



- The following window opens, click Continue to proceed.



- Enter the following data:
- Rate Table
- Description
- Charge Usage: Select customer and Service Provider.
- Charge Type : ZRAIL
 - Then, click on Enter. Then click on Insert.

New Rate Table Definition RT_RAIL_21

Save Cancel Edit Check

General Data Dates and Values Administrative Data Excel Integration

Basic Data

Rate Table: RT_RAIL_21

Description: Rate charges

* Charge Usage: Customer and Service Provider

Archiving Status: Not Archived

Charge Type Settings

Multiple Charge Types Allowed: ☐

* Charge Type: ZRAIL ☐ DOP Rail Charges

Charge Category: 001 Freight Charges

Charge Subcategory: 100000 Basic Freight Charges

Positive/Negative: Positive Value

* Value Type: Absolute Value

Leading Charge Type: ☐

Rate Category:

Insert Generate Scale

S...	Scale	Reference Scale	Description	Scale Template	Calculation Base	Calculation Base Description	Scale Type	Scale Unit

- Enter the following details in the field:
- Calculation Base: **ZSCHID**
- Scale Type : **Same Scale (=)**

Insert Generate Scale

S...	Scale	Reference Scale	Description	Scale Template	Calculation Base	Calculation Base Description	Scale Type	Scale Unit of Measure	Scale
1					ZSCHID	Calculation base for Schedule ID	Same Scale (=)		

- Click on Generate Scale. The system generates a Scale Number.

Insert Generate Scale

S...	Scale	Reference Scale	Description	Scale Template	Calculation Base	Calculation Base Description
1	150				ZSCHID	Calculation base for Schedule ID

- Click Dates and Values tab and click Insert. Enter Valid From, Valid To and Currency.

New Rate Table Definition RT_RAIL_21

Save Cancel Edit Check

No Messages - Display Message Log

General Data Dates and Values Administrative Data Excel Integration

Insert Release

Valid From	Valid To	Aggregated Rate Desc.	Life Cycle Status (Description)	Currency	Rounding Profile
10.11.2020	10.11.2021		In Process	INR	

Details: Validity From 10.11.2020 - Validity To 10.11.2021

- In the Rates tab, click on Display Rates and select Display All Rate Combinations.

Valid From	Valid To	Aggregated Rate Desc.	Life Cycle Status (Description)	Currency	Rounding Profile	Archiving Status
10.11.2020	10.11.2021		In Process	INR		Not Archived

Details: Validity From 10.12.2020 - Validity To 10.12.2021

Rates | Calculation Rules | Scale Items

Set Filter

Variant:

☒ Set as Default Variant:

Calculation base for Schedule ID:

Insert View:

Calculation base for Schedule ID (=)	Value
ZRMS_0900_1600_RMS	0.00

- The mapped Schedule ID would show.

Set Filter

Variant:

☒ Set as Default Variant:

Calculation base for Schedule ID:

Insert View:

Calculation base for Schedule ID (=)	Value
ZRMS_0900_1600_RMS	0.00

- Enter the Value.

Set Filter

Variant:

☒ Set as Default Variant:

Calculation base for Schedule ID:

Insert View:

Calculation base for Schedule ID (=)	Value
ZRMS_0900_1600_RMS	1,000.00

- Click on Release.

New Rate Table Definition RT_RAIL_21

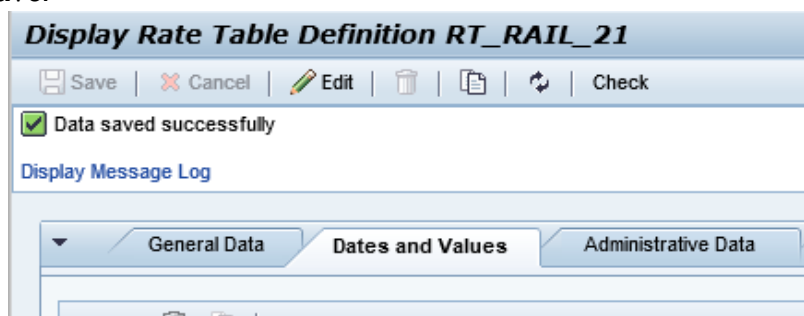
☒ Messages for Rate Table RT_RAIL_21 Validity 10.12.2020-10.12.2021

☒ Rate table RT_RAIL_21: Validity 10.12.2020-10.12.2021 released for use

[Display Message Log](#)

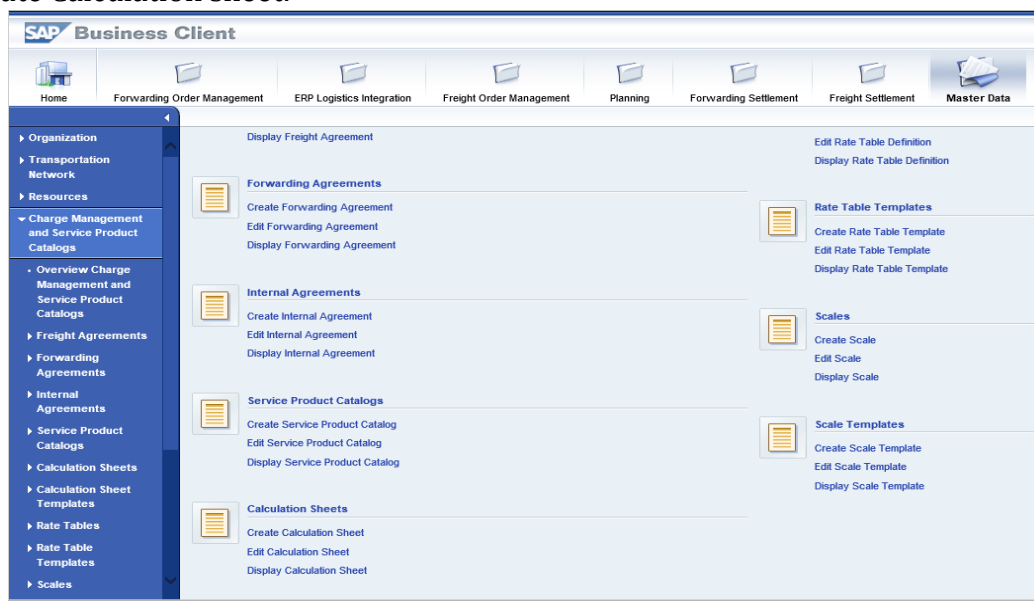
General Data | Rates and Values | Administrative Data

- Click on Save.

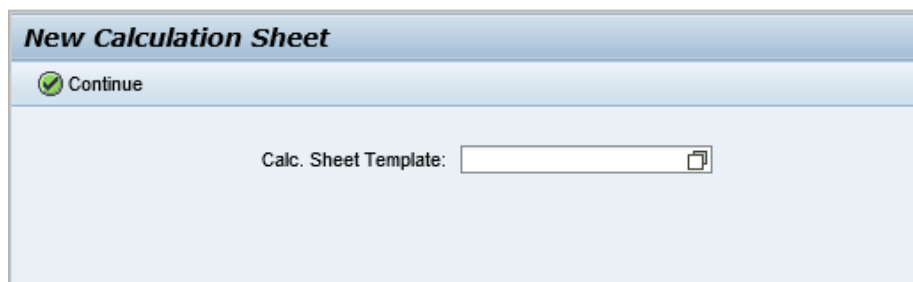


4. Calculation Sheet creation in TM server

- Log on to the SAP TM system and execute the transaction NWBC.
- Internet Browser opens; click the ZS-TMS TRANSPORTATION_MGR_V2 role.
- The system opens SAP Business Client, click Master Data tab on the upper-right corner.
- Click Charge Management and Service Product Catalogs on the left corner and click on Create Calculation sheet.



- Click on the Continue Button.



- Enter the following data,
- Calculation Sheet
- Description
- Charge Usage: Customer and Service Provider

New Calculation Sheet CS_RAIL_21

Save | Cancel | Edit | Check

General Data | Administrative Data

Basic Data

Calculation Sheet: CS_RAIL_21

Description: Rail Calculation Sheet

* Charge Usage: Customer and Service Provider

Archiving Status: Not Archived

Items

Insert | Add Rate Table | Delete Rate Table | Rate Table Details

- Go To Items Section, Click on the Insert and Insert Single Item Button and click on enter.

Items

Insert | Add Rate Table | Delete Rate Table | Rate Table Details

Item Hierarchy | Line ... | Instruction Type | Charge Type | Charge Type Class

Sum | 10 | Sum

- Charge Type : ZRAIL
- RATE Table: RT_RAIL_21 (Rate created for Rail charges) (Scroll right side to see the Rate Table Field)

Items

Insert | Add Rate Table | Delete Rate Table | Rate Table Details

Item Hierarchy	Line ...	Instruction Type	Charge Type	Charge Type ...	IATA Ch...	IATA Oth...	Amount	Currency/Percenta...	Rate Type	Rate Categ...	Rate Table T...	Rate Table
Sum	10	Sum										
• DOP Rail Charges	20	Standard	ZRAIL						Contract Rate			RT_RAIL_21

New Freight Agreement

Continue

Agreement Type:

Mutual Agreement: ☐

- Enter the following data:
- Agreement
- Description
- Valid From
- Valid To
- Document Currency: INR
- Purchasing Organisation: 50000609 (DoP Purchase Organisation)
- Carrier

New Freight Agreement FR_RAIL_21

Save | Cancel | Edit | Check | Set Status

General Data | Notes | Attachment | Administrative Data | Output Management

Basic Data

Agreement:

Description:

External Reference Number:

Agreement Status:

Archiving Status:

Involved Parties

Purchasing Organization: DoP Purchase Org

Ordering Party:

Carrier: Train T2011

SCAC:

Airline Code:

Business Partner Hierarchy Tree:

Controlled: ☒

External Freight Agreement:

Details

Valid-From Date:

Valid-To Date:

Agreement Type: DOP Freight Agreement

Agreement Priority:

Document Currency: Indian Rupee

Dimensional Weight Profile:

Exclusion Rule:

Calc. Sheet Template:

- Click the Items tab and enter the calculation sheet ID in the Calculation sheet column.

Items

Insert | Add Calculation Sheet | Delete Calculation Sheet | Calculation Sheet Details | Create Allocation | Allocation Details

Item Hi...	Item...	Item...	Item/Service D...	Description	Valid-From Date	Valid-To Date	Calcul...	Calculation Sheet	Mov...	Tr
Item	100	ZDOP	DoP Freight Agr...	DoP Freight Agreement Item				CS_RAIL_21	x	

- On the tool bar, click on Set Status and Click Released.

New Freight Agreement FR_RAIL_21

Save | Cancel | Edit | Check | Set Status ▾

General Data | Notes | Attachment | In Process | Deactivated | Data | Output Management

Basic Data

Agreement: FR_RAIL_21

Description: DOP Freight Agreement

External Reference Number:

Agreement Status: In Process

Archiving Status: Not Archived

Involved Parties

Details

* Valid-From Date: 10.11.2020

* Valid-To Date: 10.11.2021

Agreement Type: ZDOP

Agreement Priority:

Document Currency: INR

Dimensional Weight Profile:

Exclusion Rule:

- Releasing the Freight Agreement.

New Freight Agreement FR_RAIL_21

Save | Cancel | Edit | Check | Set Status ▾

☒ Agreement FR_RAIL_21 released for use

[Display Message Log](#)

General Data | Notes | Attachment | Administrative Data

- Click Save to save the Freight Agreement.

Display Freight Agreement FR_RAIL_21

Save | Cancel | Edit | Check | Set Status ▾

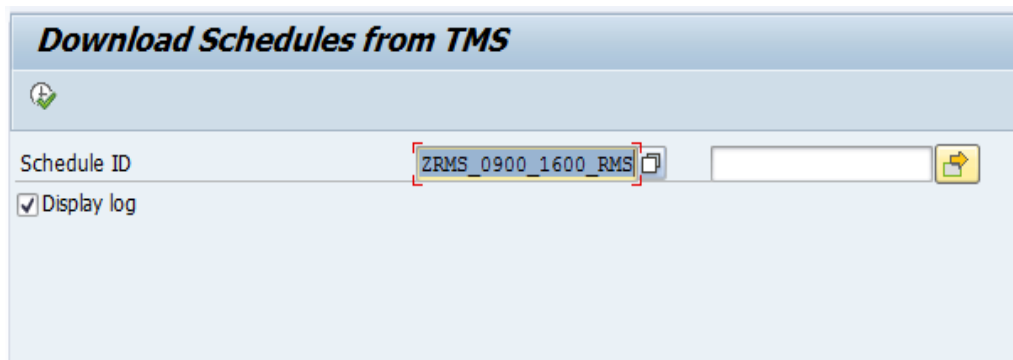
☒ Data saved successfully

[Display Message Log](#)

General Data | Notes | Attachment | Administrative Data

Schedule download in ECP server: Created vendor details and freight agreement details linked with the respective schedule to be downloaded in ECP.

- Logon to the SAP ECP system, execute the transaction ZMOSCHDWNLD, and enter the Schedule ID in the Schedule ID tab.

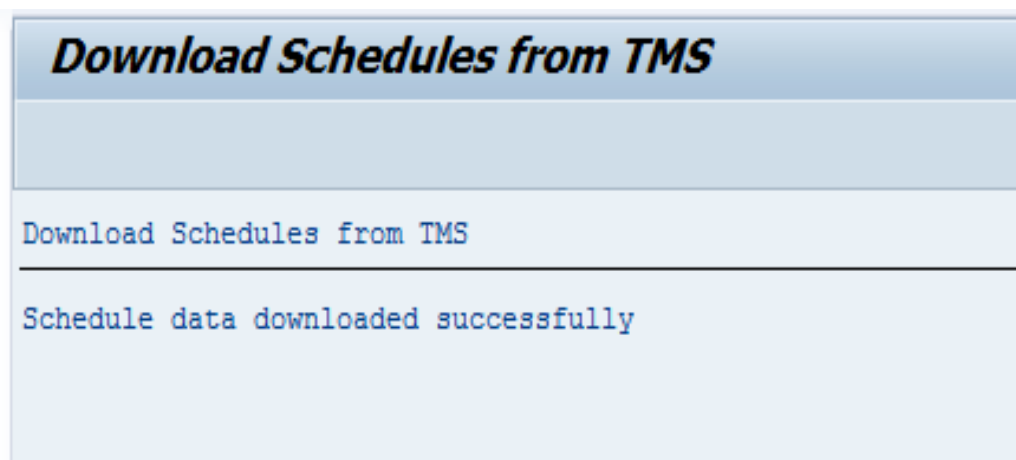


Download Schedules from TMS

Schedule ID: ZRMS_0900_1600_RMS

☒ Display log

- Click on Execute.



Download Schedules from TMS

Download Schedules from TMS

Schedule data downloaded successfully

6. Transportation Charge Calculation Request

- Execute transaction ZMOTM_CCC in ECP server.

Mails Operations Charge Calculation Cockpit

Transportation Mode

☒ Air Payments ☐ Rail Payment ☐ RTC Payments ☐ Contractual Vehicle

Selection Screen

Vendor No

Flight No

Date Range to

- Select Rail Payment Option. Enter Vendor, Train Number (schedule ID) and Date Range.

Mails Operations Charge Calculation Cockpit

Transportation Mode

☐ Air Payments ☒ Rail Payment ☐ RTC Payments ☐ Contractual Vehicle

Selection Screen

Vendor No

Train No

Date Range to

- Non Conveyance Days/Despatches reported by Post offices to be entered in multiple selection option of date range as shown below.

Mails Operations Charge Calculation Cockpit

Transportation Mode

☒ Air Payments ☐ Rail Payment ☐ RTC Payments ☐ Contractual Vehicle

Selection Screen

Vendor No

Flight No

Date Range to

Multiple selection

- Non conveyance days to be entered in Exclude single values column and execute the transaction.

- Transportation Charge Calculation request is created with the reference No: ZRMS21000000000000000149

Rail Payment Processing Log									
Cli	Schedule ID	Sch Date	Base Business document ID	Item ID	Sch...	Vendor	Created By	Created date	Cited Ti...
	ZRMS_0900_1600_RMS	13.11.2020	ZRMS21000000000000000149	10		ZRMS 4000000855	TCS1460997	17.11.2020	14:04:47

- Open transaction ZMOTM_CCR in ECP server.

- Select Transportation Mode as Rail Payment. Enter Vendor Number, Train Number and Date Range, and then Execute.

Charge Calculation Reports

Transportation Mode

☐ Air Payments
 ☒ Rail Payment
 ☐ RTC Payments
 ☐ Contractual Vehicle

Selection Screen

Vendor No: 4000000855 to []

Train No: ZRMS_0900_1600_RMS to []

Date Range: 13.11.2020 to []

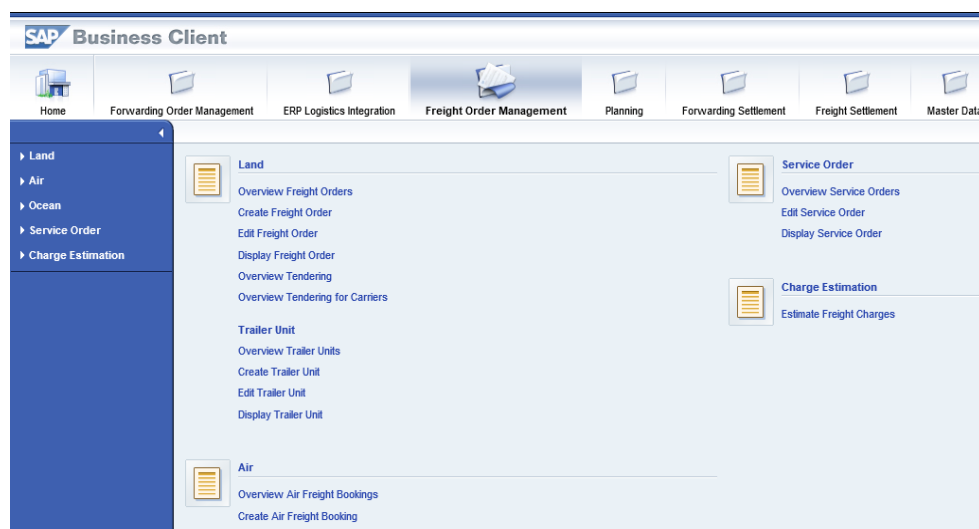
- Forwarding Order 2100000570 and Freight Order 20000001700 have been created.

Charge Calculation Reports

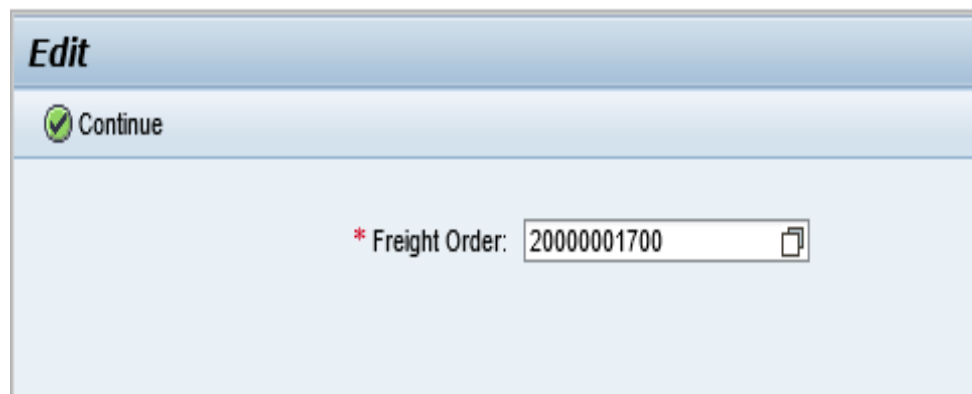
Rail Charges Calculation Report

Vendor	Train	TCC Request	Date	Berths	Net Amount	Currency	Forwarding Order	Freight Order	FSD	FSD Item	PO Number	Payment Office	Train Name	Vendor
Train T2011	ZRMS_0900_1600_RMS	ZRMS210000000000000000149	13.11.2020	0	0.000000		2100000570	20000001700					Mysore to bangalore	4000000855
		ZRMS210000000000000000149			0.000000									
	ZRMS_0900_1600_RMS				0.000000									
Train T2011					0.000000									
					0.000000									

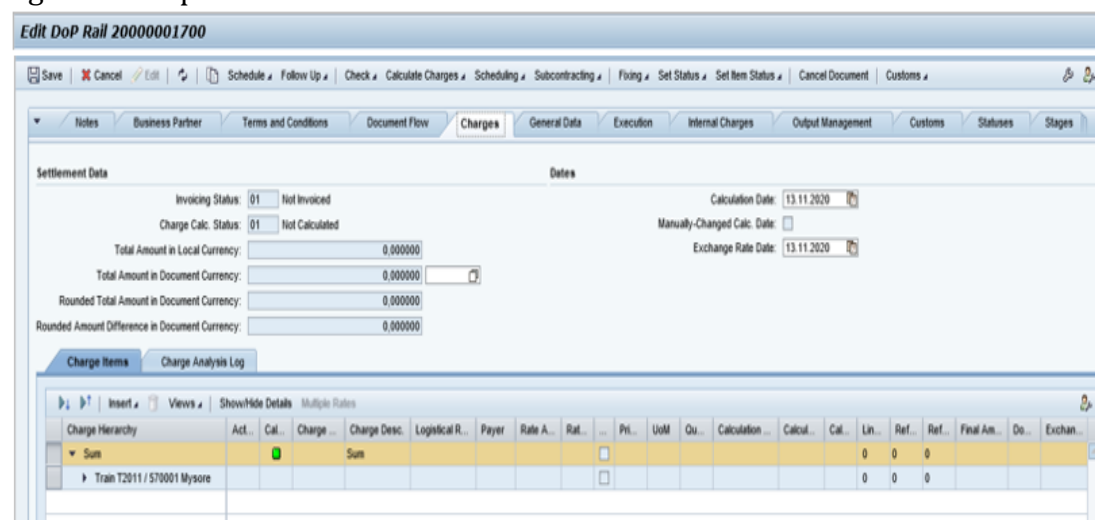
- Log on to the **SAP TM system** and execute the transaction NWBC.
- Internet Browser opens; click the ZS-TMS TRANSPORTATION_MGR_V2 role.
- The system opens SAP Business Client, click on Freight Order Management at the top.
- Under the Land header, click on Edit freight Order.



- Edit Freight Order screen opens. Enter the Freight Order number and click on continue.



- The Freight order opens in the below screen.



- Go to General Data tab. Under Organizational Data, enter Purchasing Organization and Purchasing Group.

Edit DoP Rail 20000001700

Save | Cancel | Edit | Schedule | Follow Up | Check | Calculate Charges | Scheduling | Subcontracting | Fixing | Set Status | Set Item Status | Cancel Document | Customs

No Messages - Display Message Log

General Information

Document Type: ZRMS DoP Rail
Description: ZRMS2100000000000000149

Resource Capacity

Vehicle:
Registration Country/No.:
Weight:
Volume:
Trailer:
Registration Country/No.:

Cargo Information

Cargo Weight: 0.100000000000000000 KG
Cargo Volume: CCM
Maximum Utilization in Percent: 0%
Dangerous Goods: ☐

Transportation

Carrier: 4000000855 Train T2011 / 570001 Mysore
SCAC:
Executing Carrier:
Communication Party:
Means of Transport:
Transportation Mode: 01 Road
Service Level:
Total Distance: KM
Total Duration (hh:mm):
First Activity:
Last Activity:
Number of Visits: 2
Loading Stops: 1
Unloading Stops: 1
Schedule:

Organizational Data

Purchasing Organization: 50000609 DoP Purchase Org
Purchasing Group: 50000610 Karnataka Circle
Planning and Execution Organization:
Planning and Execution Group:

- Go to Calculate Charges at the top and select Calculate Charges.

Edit DoP Rail 20000001700

Save | Cancel | Edit | Schedule | Follow Up | Check | Calculate Charges | Scheduling | Subcontracting | Fixing | Set Status | Set Item Status

No Messages - Display Message Log

Calculate Charges
Calculate Internal Charges

General Information

Document Type: ZRMS DoP Rail
Description: ZRMS2100000000000000149

Transportation

Carrier: 40
SCAC:
Executing Carrier:

- Click on the Charges tab. The charges for the Freight Order have been calculated.

Edit DoP Rail 20000001700

Save | Cancel | Edit | Schedule | Follow Up | Check | Calculate Charges | Scheduling | Subcontracting | Fixing | Set Status | Set Item Status | Cancel Document | Customs

No Messages - Display Message Log

Charges

Settlement Data

Invoicing Status: 01 Not Invoiced
Charge Calc. Status: 02 Calculated
Total Amount in Local Currency: 1,000.00 INR
Total Amount in Document Currency: 1,000.00 INR
Rounded Total Amount in Document Currency: 1,000.00 INR
Rounded Amount Difference in Document Currency: 0.00 INR

Dates

Calculation Date: 17.11.2020
Manually-Changed Calc. Date:
Exchange Rate Date: 17.11.2020

Charge Items

Charge Hierarchy | Act. | Cal. | Charge ... | Charge Desc. | Logistical R... | Payer | Rate A... | Rat... | Pri... | UoM | Qu... | Calculation ... | Cal... | Cal... | Lin... | Ref... | Ref... | Final Am... | Do...

Charge Hierarchy	Act.	Cal.	Charge ...	Charge Desc.	Logistical R...	Payer	Rate A...	Rat...	Pri...	UoM	Qu...	Calculation ...	Cal...	Cal...	Lin...	Ref...	Ref...	Final Am...	Do...
Sum				Sum											0	0	0	1,000.00	INR
Train T2011 / 570001 Mysore															0	0	0	1,000.00	INR

- Save the Freight Order.

Display DoP Rail 20000001700











☒ Data saved successfully

[Display Message Log](#)

- Open the **ZMOTM_CCR** in the **SAP ECP server**. The amount now shows for the given vendor and schedule id.

and schedule for

Charge Calculation Reports



Rail Charges Calculation Report

Vendor	Train	TCC Request	Date	Berths	Net Amount	Currency	Forwarding Order	Freight Order	FSD	FSD Item	PO Number	Payment
Train T2011	ZRMS_0900_1600_RMS	ZRMS210000000000000000149	13.11.2020	0	1,000.000000	INR	2100000570	20000001700				Karnataka
		ZRMS210000000000000000149			1,000.000000							
	ZRMS_0900_1600_RMS				1,000.000000							
Train T2011					1,000.000000							
					1,000.000000							

7. Creation of Freight Settlement in ECP server

- Open transaction **/N/SCMTMS/SFIR_CREATE** in **SAP TM server**.
- Enter the Freight Order Number or Carrier / Vendor Number, Remove the Test Mode and Select the Transfer to ERP Button. Then Execute.
- If you enter only Vendor Number, it picks all the freight orders for that vendor and creates single Freight Settlement document in SAP ECP system.

- Freight Settlement document 20000000221 is created and transferred to the ERP system.

- Check the **ZMOTM_CCR** report in **SAP ECP server** again. Purchase Order 52000000088 is created.

IPVS Team, ipvs.cept@indiapost.gov.in
Centre for excellence in Postal Technology

- Please check the Purchase Order in ECP server via transaction ME23N. Enter the Purchase Order in the Purchasing Document field and Execute.

Purchasing Documents per Document Number

Choose...

Purchasing document	5200000088	to		
Purchasing organization		to		
Scope of List	ALV			
Selection Parameters		to		
Document Type		to		
Purchasing Group		to		
Plant		to		
Document Incomplete		to		
Item Category		to		
Account Assignment Category		to		

- The purchase order gets displayed.

- Select the line item for the purchase order and double click.

Freight Settmnt PO 5200000088 Created by ESR_MW_ECT

Document Overview On | Print Preview | Messages | Personal Setting | Save As Template

Header

ZFSO Freight Settmnt... 5200000088 Vendor 4000000855 Train T2011 Doc. date 17.11.2020

Item	S.	Itm	A	I	Material	Short Text	PO Qua...	OU	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plant
10	ZFSO	F	126		20000001700	216	1	AU	D	17.11.2020	1,000.00	INR	1		AU	Railway Serv...Karnataka Circle Of...

Item 1 [10] 20000001700

Services | Limits | Material Data | Quantities/Weights | Delivery Schedule | Delivery | Invoice | Conditions | Purchase Order History | Texts | Delivery Ad...

Inv. Receipt
Final Invoice
GR-Bsd IV
S.-Based IV

Tax code

- Go to Purchase Order history tab to check all the documents that have been posted for the given purchase order.

Sh. Text	Mvt Service	Material	Document Item	Posting Date	Quantity	Delivery cost	quantity	OUn	Amount in LC	L.Cur	DelCostQty	(OPUn)	Amount	CrCy	Entry Sh
WE 101	0000000000008300020	5000013831	1	17.11.2020	1	0	NO	1,000.00	INR	0	1,000.00	INR			
Tr./Ev. Goods receipt 1,000.00 INR 1,000.00 INR															

8. Invoice Verification in ECP server

- Go to transaction SU3 in SAP ECP server. Open the Parameters tab. Ensure that TM_INVOICE_CLERK parameter is added to the user id.
 - (Please Note: This is a one-time activity only.)

Set/Get parameter ID	Parameter value	Short Description
SCL	X	Upper and lower case in source code: 'X' = lower, '' = up
TM_INVOICE_CLERK	X	Transportation Invoice Verification Clerk

- Open transaction MIRO in the SAP ECP server. Enter Company Code as DOPI and click on enter.

Enter Company Code

Company Code: DOPI

- Enter Invoice Date and Reference in Basic Data. Under the TM Reference Category tab, select Reference Document category as Carrier. Enter the Vendor and click on Enter.

Enter Incoming Invoice: Company Code DOPI

Show PO structure Show worklist Hold Simulate Messages Help

Transaction 1 Invoice Balance 3,000.00- INR

Basic Data Payment Details Tax Withholding tax

Invoice date 17.11.2020 Reference SCHEDULE BILLING

Posting Date 17.11.2020

Amount INR Calculate tax

Tax Amount V0 V0 (A/P Nil Tax)

Bus.place/sectn /

Text

Paymt terms Due immediately

Baseline Date 17.11.2020

Vendor 4000000855

Company Train T2011

570001 Mysore

TM Ref. PO Reference

2 Carrier 4000000855 Train T2011

Layout 1_6330 All Information

Item	Freight Order	Source Location	Target Location	Pick-Up Dt	Delivery D...	Amount	Tax...	Details
1	20000001651					1,000.00	V0...	
2	20000001700					1,000.00	V0...	
3	20000001701					1,000.00	V0...	

- Enter the required amount in Amount field. The balance should show as zero at the top.

Enter Incoming Invoice: Company Code DOPI

Show PO structure Show worklist Hold Simulate Messages Help

Transaction 1 Invoice Balance 0.00 INR

Basic Data Payment Details Tax Withholding tax

Invoice date 17.11.2020 Reference SCHEDULE BILLING

Posting Date 17.11.2020

Amount 3,000.00 INR Calculate tax

Tax Amount V0 V0 (A/P Nil Tax)

Bus.place/sectn /

Text

Paymt terms Due immediately

Baseline Date 17.11.2020

Vendor 4000000855

Company Train T2011

570001 Mysore

TM Ref. PO Reference

2 Carrier 4000000855 Train T2011

Layout 1_6330 All Information

Item	Freight Order	Source Location	Target Location	Pick-Up Dt	Delivery D...	Amount	Tax...	Details
1	20000001651					1,000.00	V0...	
2	20000001700					1,000.00	V0...	
3	20000001701					1,000.00	V0...	

Item SearchTerm 3 / 3 Items

- Click Simulate.

Enter Incoming Invoice: Company Code DOPI

Show PO structure Show worklist Hold Simulate Messages Help

Simulate Document in INR (Document currency)

Position	A G/L	Act/Mat/Ast/Vndr	Amount	Cu...	Purchasing...	Item	T...	Jurisd. Code	Tax Date	Bu...	Co...
1 K	8000060004	Train T2011 / 570001...	1,000.00	INR	5200000087	10	V0			1013	
2 S	4500010000	GR/IR clmg	1,000.00	INR	5200000087	10	V0			1013	210
3 S	4500010000	GR/IR clmg	1,000.00	INR	5200000088	10	V0			1013	210
4 S	4500010000	GR/IR clmg	1,000.00	INR	5200000089	10	V0			1013	210
3000000001 K	8000060004	Train T2011 / 570001...	1,000.00	INR	5200000088	10	V0			1013	
3000000002 K	8000060004	Train T2011 / 570001...	1,000.00	INR	5200000089	10	V0			1013	

Debit 3,000.00 Credit 3,000.00 Bal. 0.00

Back Post

- Click on Post. Invoice document 5105607341 is created.

Invoice Document Edit Goto System Help

Performance Assistant

Document no. 5105607341 created

Message No. M8060

9. Payment to Vendor (F&A) : Similar process to be followed as vendor liability payment in F&A.

- Tcode FBL1N is used to see the liability document number generated for the vendor.

Vendor Line Item Display

1 active Data Sources

Vendor selection

Vendor account 40000000860 to
Company code DOPI to

Selection using search help

Search help ID
Search string
Search help

Line item selection

Status

☐ Open items
Open at key date

☐ Cleared items
Clearing date to
Open at key date

☒ All items
Posting date 01.12.2020 to 04.03.2021

Vendor Line Item Display

Selections Dispute Case

Vendor 40000000860
Company Code DOPI
Name KSRTC
City mysore

St	Assignment	DocumentNo	Type	Doc. Date	S	DD	Amount in local cur.	LCurr	Clrng doc.	Text
	40000000860	5800002600	RE	18.12.2020			100.00-	INR	2900002794	
*							100.00-	INR		
** Account 40000000860							100.00-	INR		

- Tcode “F-58” is used to issue cheque for the liability created,by entering vendor ID, Amount etc as shown in below screen.

Payment with Printout Header Data

Process Open Items

Document Date	05.03.2021	Type	KZ	Company Code	DOPI
Posting Date	05.03.2021	Period	12	Currency/Rate	INR
Document Number				Translatn Date	
Reference				Cross-CC no.	
Doc.Header Text				Trading Part.BA	
Clearing text					

Bank posting details

Amount	10000	Business Area	
Value Date	05.03.2021	Assignment	
Text			

Payee

Vendor	2000000280	Company Code	DOPI
Customer		Payee	
<input type="checkbox"/> Payment on acct	<input type="checkbox"/> Pmnt on acct		

Paid items

<input checked="" type="checkbox"/> Standard OIs
Special G/L ind

Additional selections

<input checked="" type="radio"/> None
<input type="radio"/> Amount
<input type="radio"/> Others

Display Document: Data Entry View

Data Entry View

Document Number	2900002794	Company Code	DOPI	Fiscal Year	2020
Document Date	18.12.2020	Posting Date	18.12.2020	Period	9
Reference		Cross-Comp.No.			
Currency	INR	Texts exist	<input type="checkbox"/>	Ledger Group	



CoCd	Item	Assignment	PK	SG	Account	Description	Amount	Currency	Funds Center	Profit Center
DOPI	1	20201218	50		4867100010	DOP Cash	100.00-	INR	2132610000	2132612200
	2	4000000860	25		4000000860	KSRTC	100.00	INR		

Modified on 08-Mar-2021