

---

# *User manual*

## Inter Plant Stock Transfer from Bandhidh to Plant

*Prepared by:  
Prachee Sharma*

*12/04/2020*

# Table of Contents

Scenario	3
1 Inter plant stock transfer from Port to Bandhidh	3
1.1 Goods Receipt at Bandhidh and auto STO creation from Bandhidh to plant	3
a) Definition and Prerequisites	<b>Error! Bookmark not defined.</b>
b) Menu Path and Transaction code	<b>Error! Bookmark not defined.</b>
c) Responsibility	<b>Error! Bookmark not defined.</b>
d) Screen capture/ Process	<b>Error! Bookmark not defined.</b>
1.2 Rake Master creation	<b>Error! Bookmark not defined.</b>
a) Definition and Prerequisites	<b>Error! Bookmark not defined.</b>
b) Menu Path and Transaction code	<b>Error! Bookmark not defined.</b>
c) Responsibility	<b>Error! Bookmark not defined.</b>
d) Screen capture/ Process	<b>Error! Bookmark not defined.</b>
1.3 RFID Integration	<b>Error! Bookmark not defined.</b>
a) Definition and Prerequisites	<b>Error! Bookmark not defined.</b>
b) Menu Path and Transaction code	<b>Error! Bookmark not defined.</b>
c) Responsibility	<b>Error! Bookmark not defined.</b>
d) Screen capture/ Process	<b>Error! Bookmark not defined.</b>
1.4 Gate Entry in SAP	<b>Error! Bookmark not defined.</b>
a) Definition and Prerequisites	<b>Error! Bookmark not defined.</b>
b) Menu Path and Transaction code	<b>Error! Bookmark not defined.</b>
c) Responsibility	<b>Error! Bookmark not defined.</b>
d) Screen capture/ Process	<b>Error! Bookmark not defined.</b>
1.5 Auto GRN program	<b>Error! Bookmark not defined.</b>
a) Definition and Prerequisites	<b>Error! Bookmark not defined.</b>
b) Menu Path and Transaction code	<b>Error! Bookmark not defined.</b>
c) Responsibility	<b>Error! Bookmark not defined.</b>
d) Screen capture/ Process	<b>Error! Bookmark not defined.</b>

## Scenario

### 1 Inter plant stock transfer from Port to Bandhidh

#### 1.1 Goods Receipt at Bandhidh and auto STO creation from Bandhidh to plant

##### a) Definition and Prerequisites

Once the goods are issued from supplying plant, good receipt at issuing plant (BDIH) is done

##### b) Menu Path and Transaction code

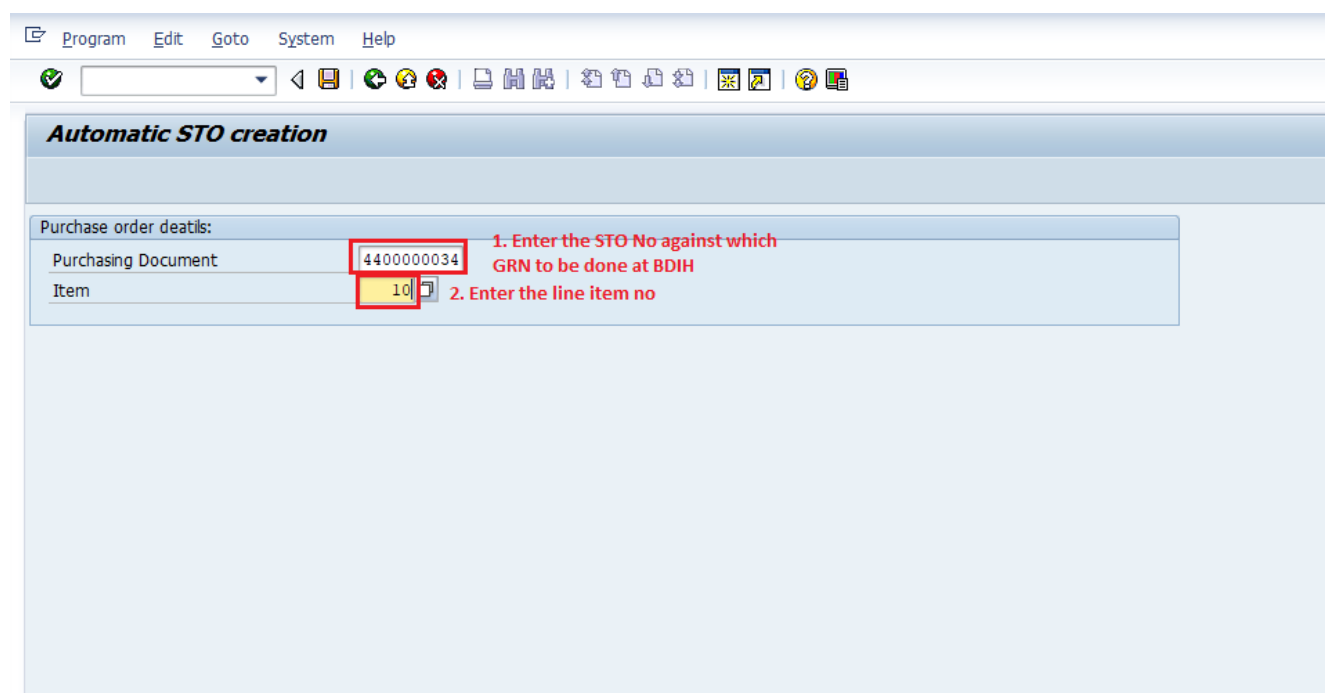
<b>SAP S/4 HANA menu</b>	N/A
<b>Transaction Code</b>	ZAUTO_STO

##### c) Responsibility

Raw Material – GRN team

##### d) Screen capture/ Process

**Step 1:** Enter the STO no in purchasing document field and line item no. Press Enter



**Automatic STO creation**

Purchase order details:

Purchasing Document	4400000034	1. Enter the STO No against which GRN to be done at BDIH
Item	10	2. Enter the line item no

**Step 2:** Click on create tab

Program Edit Goto System Help

**Automatic STO creation**

Purchase order details:

Purchasing Document: 4400000034

Item: 10

Update or create

Transaction number:

CREATE DISPLAY UPDATE

**Step 3:** Enter the RR date, rake number (the one created in electroway), loading siding (Compulsory fields)

System Help

**Create GRN STO**

Rake information

Transaction ID	RR rate	Loading Siding
PO number: 4400000034	RR Chrg. Qty.	Actual Chall. Qty.
PO item: 10	RR Quantity	Prov. Chall. Qty.
RR number	Rake Number: HF-14	
RR date: 09.04.2020	No. of Wagons	

Execution date: 13.04.2020    Execution Time: 17:32:12

Create GR at Badhidi & STO (Bandhidi-Plant)

Enter the RR number, RR rate, RR Chrg qty, no of wagons etc (if information available)

System Help

**Create GRN STO**

Rake information

Transaction ID	RR rate	Loading Siding
PO number 4400000034	RR Chrg. Qty. <input type="text"/>	Actual Chall. Qty. <input type="text"/>
PO item 10	RR Quantity <input type="text"/>	Prov. Chall. Qty. <input type="text"/>
RR number <input type="text"/>	Rake Number HF-14	
RR date 09.04.2020	No. of Wagons <input type="text"/>	

Execution date: 13.04.2020      Execution Time: 17:32:12

[Create GR at Badhidi & STO \(Bandhidi-Plant\)](#)

**Step 4:** Enter the Actual Challan Qty i.e RR Actual Qty

System Help

**Create GRN STO**

Rake information

Transaction ID	RR rate	Loading Siding
PO number 4400000034	RR Chrg. Qty. <input type="text"/>	Actual Chall. Qty. <input type="text" value="3800"/>
PO item 10	RR Quantity <input type="text"/>	Prov. Chall. Qty. <input type="text"/>
RR number <input type="text"/>	Rake Number HF-14	
RR date 09.04.2020	No. of Wagons <input type="text"/>	

Execution date: 13.04.2020      Execution Time: 17:32:12

[Create GR at Badhidi & STO \(Bandhidi-Plant\)](#)

**Step 5:** Click on create GR at Bandhidh & STO (Bandhidh-Plant)

System Help

**Create GRN STO**

Rake information			
Transaction ID		RR rate	<input type="text"/>
PO number	4400000034	RR Chrg. Qty.	<input type="text"/> TO
PO item	10	RR Quantity	<input type="text"/> TO
RR number	<input type="text"/>	Rake Number	HF-14
RR date	09.04.2020	No. of Wagons	<input type="text"/>
		Loading Siding	VGCB
		Actual Chall. Qty.	<input type="text" value="3800"/> TO
		Prov. Chall. Qty.	<input type="text"/> TO

Execution date	13.04.2020	Execution Time	17:32:12	<input type="button" value="Create GR at Badhidi &amp; STO (Bandhidi-Plant)"/>
----------------	------------	----------------	----------	--

Material document posted

System Help

**Log display**

Icon	ID	Message	
		Mat Doc 5000001012 for year 2020 created.	1. GRN Material doc no
		STO number 4400000035 created.	2. STO from BDIH to plant
		Transaction number 1000000016 created.	3. Transaction no

**Note:** When actual challan Qty is not known (Step 1, 2, 3 remain same)

**Step 4:** Enter the Provisional Challan Qty (must be taken on lower side than Actual Qty)

System Help

**Create GRN STO**

Rake information

Transaction ID	RR rate	Loading Siding	VGCB
PO number 4400000036	RR Chrg. Qty. TO	Actual Chall. Qty. TO	
PO item 10	RR Quantity TO	Prov. Chall. Qty. TO	3000
RR number	Rake Number HF-15		
RR date 10.04.2020	No. of Wagons		

Execution date: 13.04.2020      Execution Time: 17:49:57

**Create GR at Badhidi & STO (Bandhidi-Plant)**

**Step 5:** Click on create GR at Bandhidh & STO (Bandhidh-Plant)

System Help

**Create GRN STO**

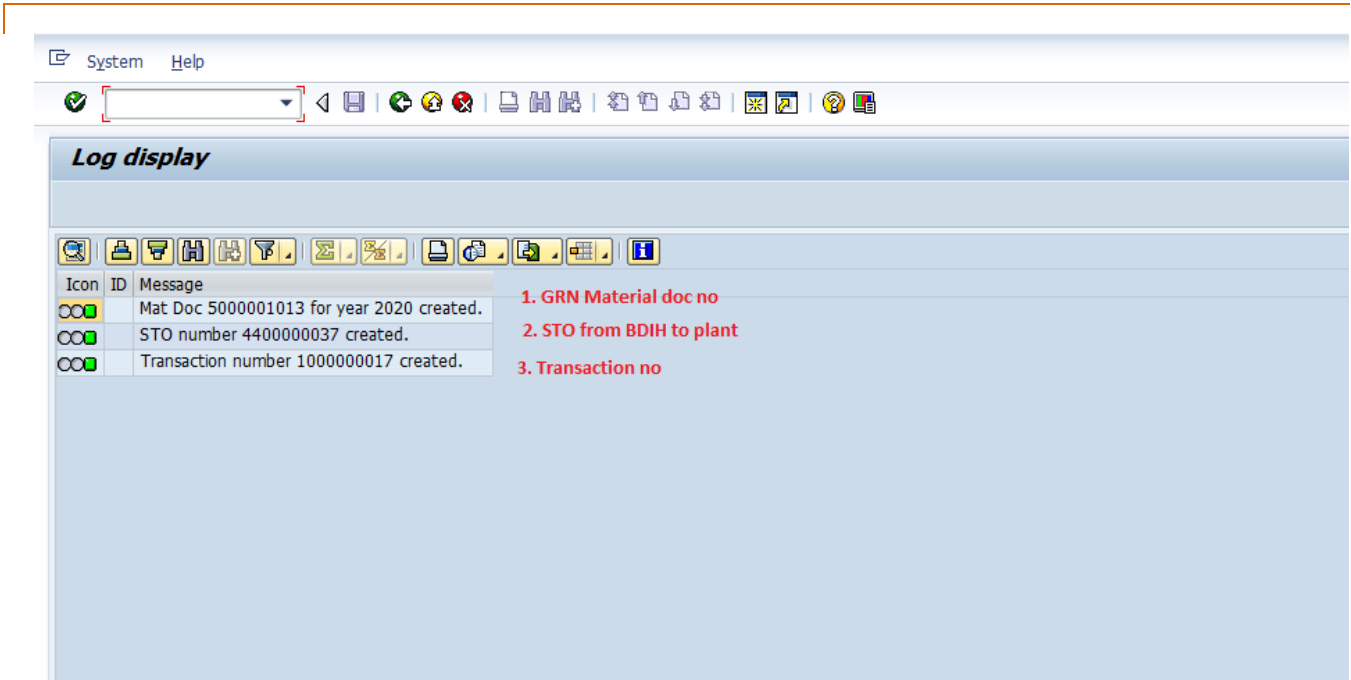
Rake information

Transaction ID	RR rate	Loading Siding	VGCB
PO number 4400000036	RR Chrg. Qty. TO	Actual Chall. Qty. TO	
PO item 10	RR Quantity TO	Prov. Chall. Qty. TO	3000
RR number	Rake Number HF-15		
RR date 10.04.2020	No. of Wagons		

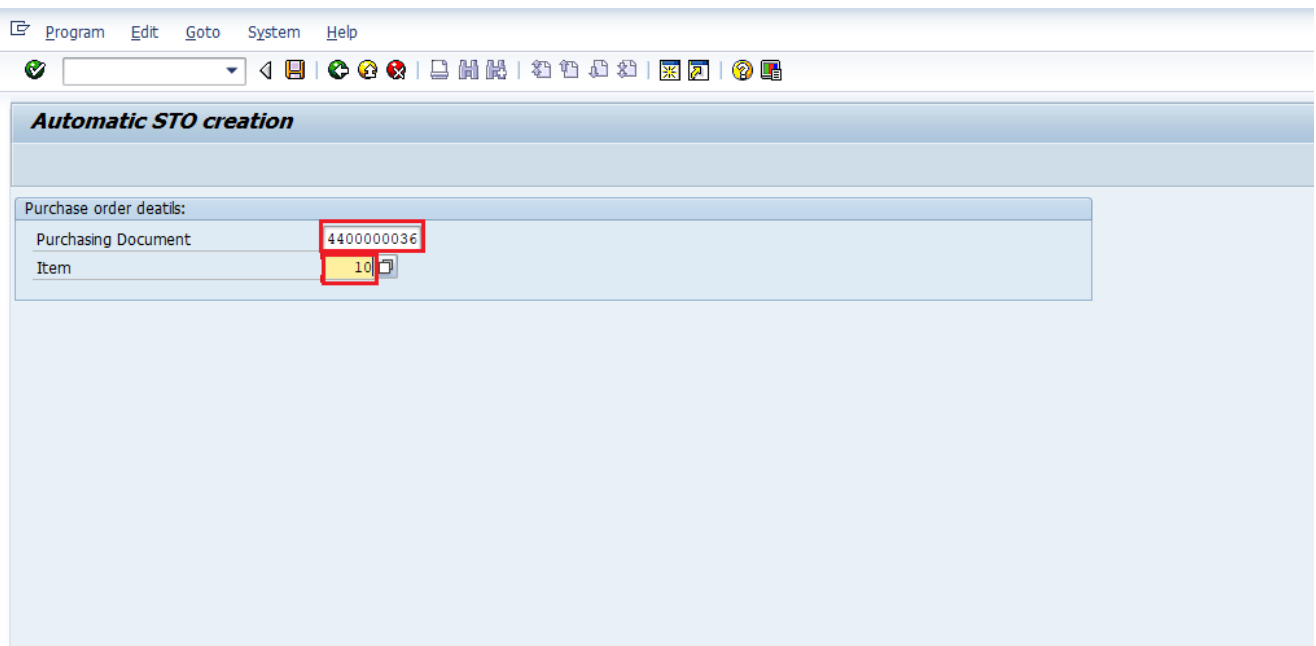
Execution date: 13.04.2020      Execution Time: 17:49:57

**Create GR at Badhidi & STO (Bandhidi-Plant)**

Material Document posted



**Step 6:** Once the actual qty is known, click on transaction zsto\_auto. Enter the STO no and line item no. Press Enter



**Step 7:** Enter the transaction no and click on update



Program Edit Goto System Help

**Automatic STO creation**

Purchase order details:

Purchasing Document: 4400000036  
 Item: 10

Update or create

Transaction number: 1000000017

CREATE    DISPLAY    UPDATE

**Step 8:** Enter the actual challan qty

System Help

**Update details**

Rake information

Transaction ID	1000000017	RR rate		Loading Siding	
PO number	4400000036	RR Chrg. Qty.		Actual Chall. Qty.	3900
PO item	10	RR Quantity		Prov. Chall. Qty.	3,000.000
RR number		Rake Number	HF-15		
RR date	10.04.2020	No. of Wagons			

Provisional GR details: 5000001013 2020

Create GR at Badhidi & STO (Bandhidi-Plant)

**Step 9:** Click on create GR at Bandhiddh & STO (Bandhiddh-Plant)

System Help

**Update details**

**Rake information**

Transaction ID	1000000017	RR rate	<input type="text"/>	Loading Siding	<input type="text"/>
PO number	4400000036	RR Chrg. Qty.	<input type="text"/>	Actual Chall. Qty.	3900
PO item	10	RR Quantity	<input type="text"/>	Prov. Chall. Qty.	3,000.000
RR number	<input type="text"/>	Rake Number	HF-15		
RR date	10.04.2020	No. of Wagons	<input type="text"/>		

Provisional GR details:

### Material document posted

System Help

**Log display**

Icon	ID	Message	
		Mat Doc 5000001014 for year 2020 created.	1. GRN for addition 900 qty material doc no
		STO number 4400000037 updated.	2. STO no updated with second line item of 900 qty
		Transaction 1000000017 updated.	3. Transaction no updated

\*\* Note: The actual qty can be updated only once

## 1.2 Rake Master creation

### a) Definition and Prerequisites

Once GRN is done and auto STO created, rake master will be created in Electroway.

### b) Menu Path and Transaction code

This will be created in Electroway

### c) Responsibility

Raw Material – GRN team

d) Screen capture/ Process

Please refer to RFID manual.

## 1.3 RFID Integration

a) Definition and Prerequisites

Once Rake master is created in Electroway, RFID process will take place.

b) Menu Path and Transaction code

This will be created in Electroway

c) Responsibility

d) Screen capture/ Process

Please refer to RFID manual.

## 1.4 Gate Entry in SAP

a) Definition and Prerequisites

Corresponding to a rake master, weighment details get captured in Electroway. Raw material team will make a single entry in SAP for the trucks received in a day.

b) Menu Path and Transaction code

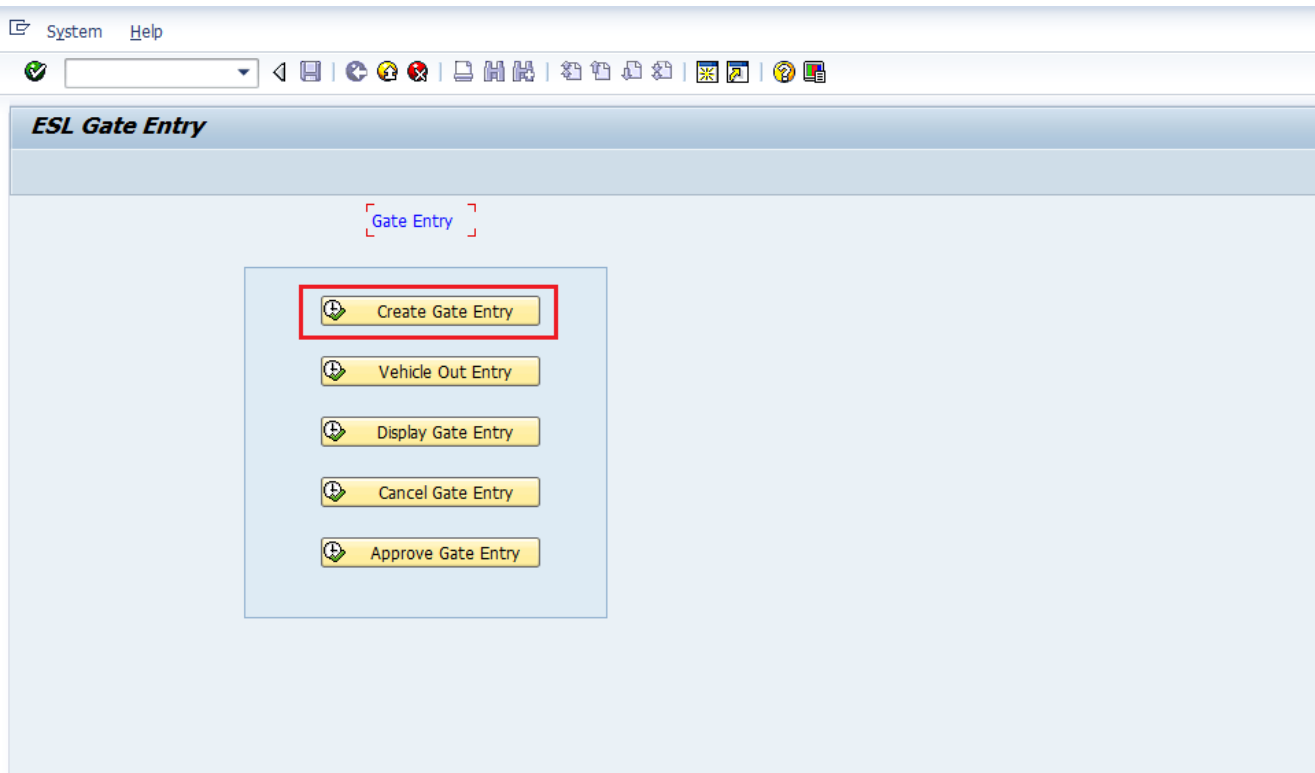
<b>SAP S/4 HANA menu</b>	N/A
<b>Transaction Code</b>	ZM023

c) Responsibility

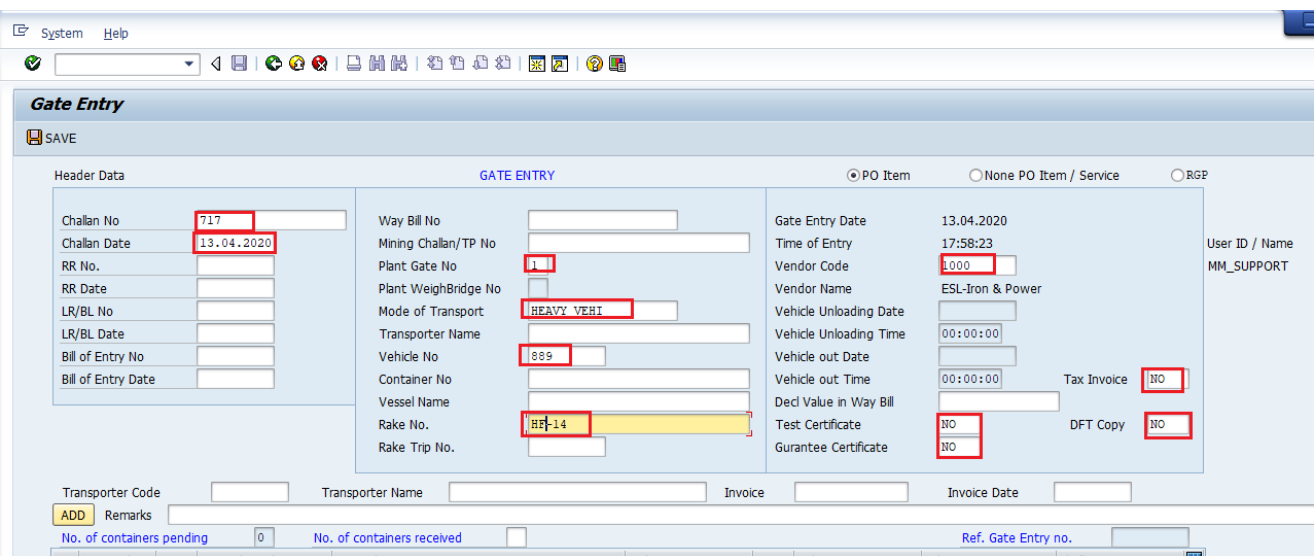
Raw Material – GRN team

d) Screen capture/ Process

**Step 1:** Click on gate entry



**Step 2:** Enter challan no, challan date, plant gate no, mode of transport, vehicle no, rake no (same created in rake master in electroway), tax invoice, test certificate, DFT Copy, guarantee certificate and vendor code.



**Step 3:** Press F4 to display the PO number or STO number. Select the STO/PO number and press enter

**Restrictions**

Purch.Doc.	C	Type	Vendor	Rel
4400000004	F	ZSTB		B
4400000005	F	ZSTB		G
4400000006	F	ZSTB		
4400000007	F	ZSTB		
4400000008	F	ZSTB		
4400000009	F	ZSTB		
4400000011	F	ZSTB		
4400000012	F	ZSTB		
4400000015	F	ZSTB		
4400000016	F	ZSTB		
4400000018	F	ZSTB		
4400000021	F	ZSTB		
4400000022	F	ZSTB		
4400000024	F	ZSTB		
4400000025	F	ZSTB		
4400000028	F	ZSTI		
4400000029	F	ZSTI		G
4400000031	F	ZSTB		
4400000033	F	ZSTB		
4400000035	F	ZSTB		
4400000037	F	ZSTB		

21 Entries found

**Step 4:** Press Enter to display the STO/PO details

**Gate Entry**

Header Data

Way Bill No: [ ]  
Mining Chalan/TP No: [ ]  
Plant Gate No: 1  
Plant WeighBridge No: [ ]  
Mode of Transport: HEAVY VEHI  
Transporter Name: [ ]  
Vehicle No: 889  
Container No: [ ]  
Vessel Name: [ ]  
Rake No.: HF-14  
Rake Trip No.: [ ]

Gate Entry Date: 13.04.2020  
Time of Entry: 17:58:23  
Vendor Code: 1000  
Vendor Name: ESL-Iron & Power  
Vehicle Unloading Date: [ ]  
Vehicle Unloading Time: 00:00:00  
Vehicle out Date: [ ]  
Vehicle out Time: 00:00:00  
Tax Invoice: NO  
Decl Value in Way Bill: [ ]  
Test Certificate: NO  
DFT Copy: NO  
Gurantee Certificate: NO

S...	PO Number	Item	Material Number	Material Description	Order Qty	UOM	Tolerance Qty	Balance to Enter	Challan Qty
1	4400000035	10	MFL151016050010	COAL;HRD CKNG	3,800.000	TO	0.000	3,800.000	

**Step 5:** Enter the Challan qty

System Help

**Gate Entry**

SAVE

Header Data **GATE ENTRY**  PO Item  None PO Item / Service  RGP

Challan No	717	Way Bill No		Gate Entry Date	13.04.2020
Challan Date	13.04.2020	Mining Challan/TP No		Time of Entry	17:58:23
RR No.		Plant Gate No	1	Vendor Code	1000
RR Date		Plant WeighBridge No		Vendor Name	ESL-Iron & Power
LR/BL No		Mode of Transport	HEAVY VEHI	Vehicle Unloading Date	
LR/BL Date		Transporter Name		Vehicle Unloading Time	00:00:00
Bill of Entry No		Vehicle No	889	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	HF-14	Test Certificate	NO
		Rake Trip No.		Guarantee Certificate	NO
				Tax Invoice	NO
				DFT Copy	NO

Transporter Code  Transporter Name  Invoice  Invoice Date

ADD Remarks

No. of containers pending  No. of containers received  Ref. Gate Entry no.

S...	PO Number	Item	Material Number	Material Description	Order Qty	UOM	Tolerance Qty	Balance to Enter	Challan Qty
1	4400000035	10	MFL151016050010	COAL;HRD CKNG	3,800.000	TO	0.000	3,800.000	3800

**Step 6: Click on save button**

System Help

**Gate Entry**

SAVE

Header Data **GATE ENTRY**  PO Item  None PO Item / Service  RGP

Challan No	717	Way Bill No		Gate Entry Date	13.04.2020
Challan Date	13.04.2020	Mining Challan/TP No		Time of Entry	17:58:23
RR No.		Plant Gate No	1	Vendor Code	1000
RR Date		Plant WeighBridge No		Vendor Name	ESL-Iron & Power
LR/BL No		Mode of Transport	HEAVY VEHI	Vehicle Unloading Date	
LR/BL Date		Transporter Name		Vehicle Unloading Time	00:00:00
Bill of Entry No		Vehicle No	889	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	HF-14	Test Certificate	NO
		Rake Trip No.		Guarantee Certificate	NO
				Tax Invoice	NO
				DFT Copy	NO

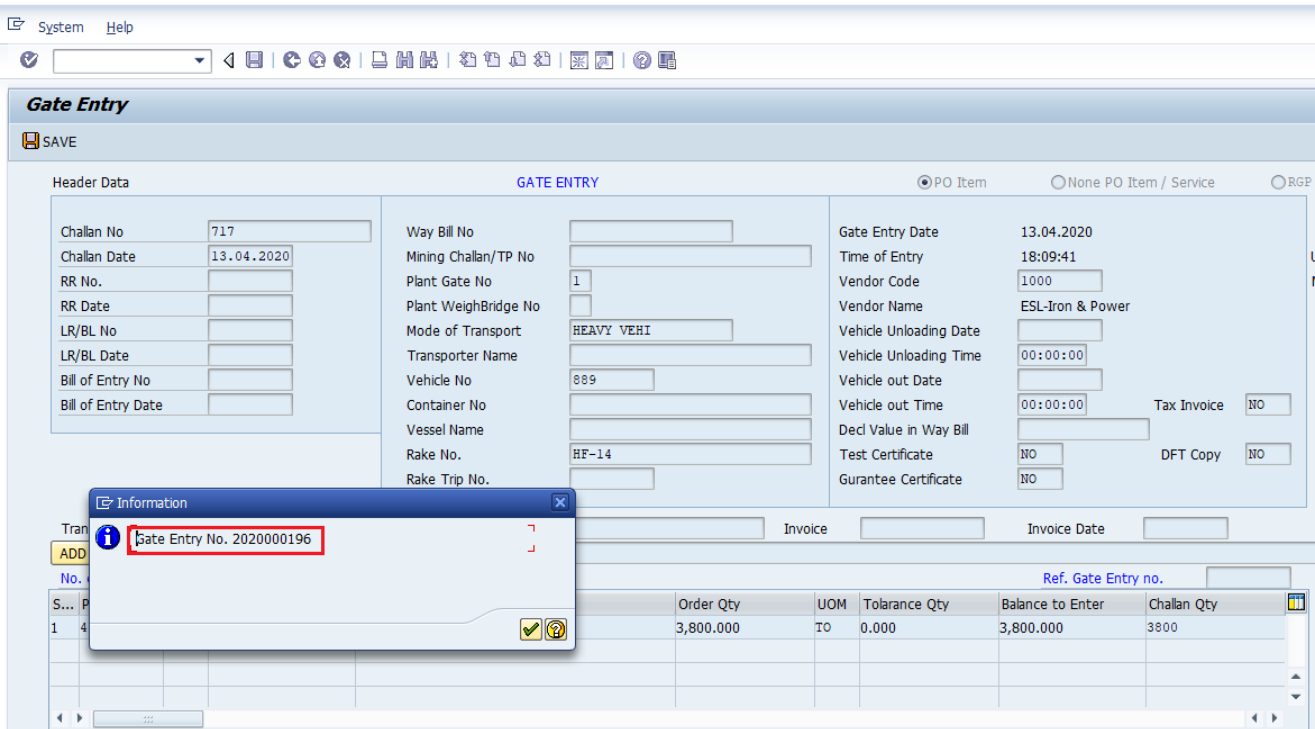
Transporter Code  Transporter Name  Invoice  Invoice Date

ADD Remarks

No. of containers pending  No. of containers received  Ref. Gate Entry no.

S...	PO Number	Item	Material Number	Material Description	Order Qty	UOM	Tolerance Qty	Balance to Enter	Challan Qty
1	4400000035	10	MFL151016050010	COAL;HRD CKNG	3,800.000	TO	0.000	3,800.000	3800

Gate Entry number generated



\*\* Note: The same gate entry number will be updated in electroway. Once this is done, electroway data will be fetched into SAP.

## 1.5 Auto GRN program

### a) Definition and Prerequisites

Once gate entry is done in SAP, auto GRN program will be run

### b) Menu Path and Transaction code

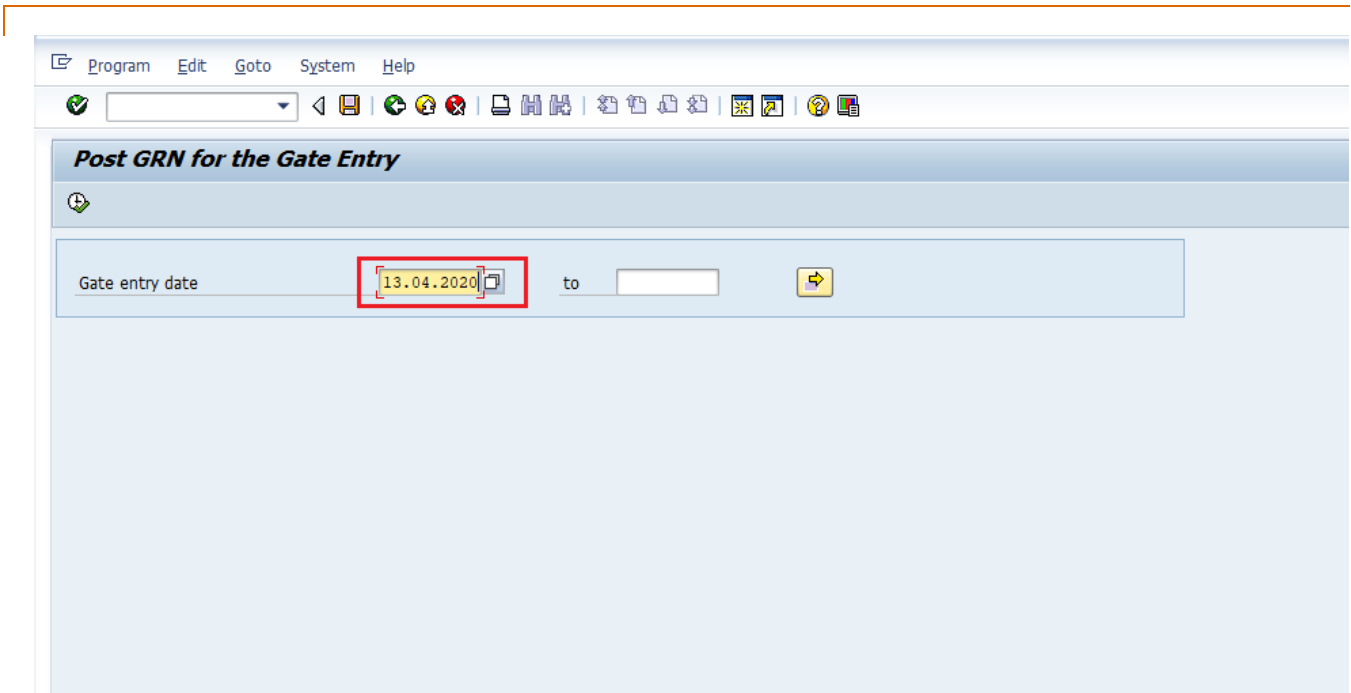
<b>SAP S/4 HANA menu</b>	N/A
<b>Transaction Code</b>	ZGRN_AUTO

### c) Responsibility

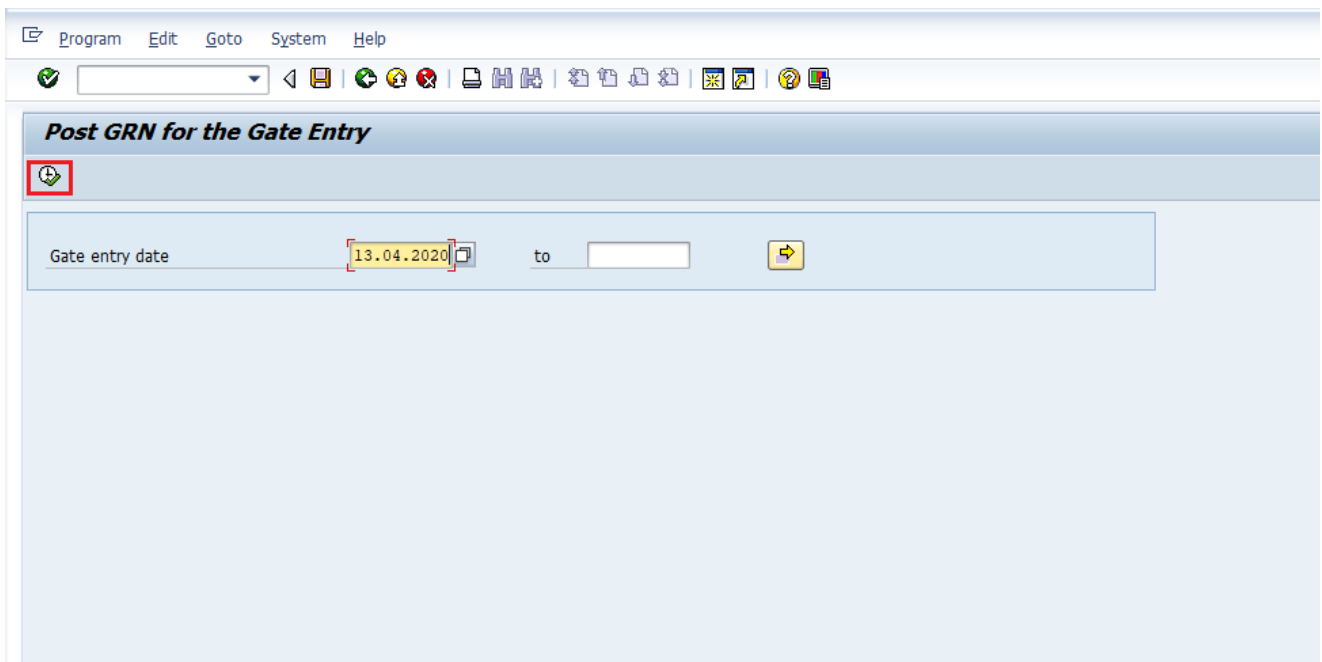
Raw Material – GRN team

### d) Screen capture/ Process

**Step 1:** Enter the gate entry date



**Step 2:** Click on execute



Material document posted