Project "Smart" ESL – Electro Steels Limited

User manual

Inter Plant Stock Transfer from Bandhidh to Plant

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Sensitivity: Confidential (C2)

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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

SAP S/4 HANA menu	N/A
Transaction Code	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

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Automatic STO creation		
Purchase order deatils:	1. Enter the STO No against which	
Purchasing Document	440000034 GRN to be done at BDIH	
Item	10 2. Enter the line item no	

Step 2: Click on create tab



urchase order deatils: Purchasing Document 4400000034 Item 1000 pdate or create Transaction number CREATE DISPLAY UPDATE	Automatic STO creat	
urchase order deatils: Purchasing Document 4400000034 Item 10 pdate or create Transaction number CREATE DISPLAY UPDATE	Automatic STO creati	
Purchasing Document 4400000034 Item pdate or create Transaction number CREATE DISPLAY UPDATE		
Item III) pdate or create Transaction number CREATE DISPLAY UPDATE	Purchase order deadlis:	440000034
Ipdate or create Transaction number CREATE DISPLAY UPDATE	Item	
Transaction number CREATE DISPLAY UPDATE	ndate or create	
CREATE DISPLAY UPDATE	Transaction number	
CREATE DISPLAY UPDATE		
	CREATE	DISPLAY UPDATE

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

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Create GRN	570			43	
Rake information Transaction ID PO number PO item RR number RR number RR date	440000034 10 09.04.2020	RR rate RR Chrg. Qty. RR Quantity Rake Number No. of Wagons	TO HF-14	Loading Siding Actual Chall. Qty. Prov. Chall. Qty.	
	Execution date	Execution Time		Create GR at Badhidi & STO	(Bandhidi-Plant)

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



Jeale OKN 3	510						
Rake information							
Transaction ID		RR rate			Loading Siding	VGCB	
PO number	440000034	RR Chrg. Qty.		то	Actual Chall. Qty.		TO
PO item	10	RR Quantity		то	Prov. Chall. Qty.		TO
RR number		Rake Number	HF-14				
RR date	09.04.2020	No. of Wagons					
	Execution date	Execution Time					

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

ate GRN	STO						
ce information							
ansaction ID		RR rate			Loading Siding	VGCB	
number	440000034	RR Chrg. Qty.		то	Actual Chall. Qty.	3	800 TO
item	10	RR Quantity		то	Prov. Chall. Qty.		то
number		Rake Number	HF-14				
date	09.04.2020	No. of Wagons					
	Execution data	Execution Time					
	13.04.2020	17:32:12		Cr	eate GR at Badhidi & STO (I	Bandhidi-Plant)	
	1010112020	17102112			eace on ac badmid & 510 (banunu-Fiancy	

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



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reate GRN	STO						
ake information							
Transaction ID O number O item IR number IR date	440000034 10 09.04.2020	RR rate RR Chrg. Qty. RR Quantity Rake Number No. of Wagons	HF-14	TO TO	Loading Siding Actual Chall. Qty. Prov. Chall. Qty.	VGCB	оо, то то
	Execution date	Execution Time		C	reate GR at Badhidi & STO (Ba	andhidi-Plant)	

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Log display	
() A 7 M K 7. 2.%. 20	
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
Hansacton Humber 100000010 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)



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Create GRN	STO					
Rake information						
Transaction ID		RR rate			Loading Siding	VGCB
PO number	440000036	RR Chrg. Qty.		то	Actual Chall. Qty.	ТО
PO item	10	RR Quantity		то	Prov. Chall. Qty.	3000 TO
RR number		Rake Number	HF-15			
RR date	10.04.2020	No. of Wagons				
	Execution date	Execution Time				
	13.04.2020	17:49:57		0	reate GR at Badhidi & STO (I	Bandhidi-Plant)

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

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reate GRN	STO						
beles information							
ake information							
Transaction ID		RR rate			Loading Siding	VGCB	
O number	440000036	RR Chrg. Qty.		то	Actual Chall. Qty.		TO
O item	10	RR Quantity		то	Prov. Chall. Qty.	300	о то
R number		Rake Number	HF-15			-	-
R date	10.04.2020	No. of Wagons					
	Execution date	Execution Time					
	13.04.2020	17:49:57		Cr	eate GR at Badhidi & STO (B	Bandhidi-Plant)	
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	Log display
	Icon ID Message
	Mat Doc 5000001013 for year 2020 created.
	STO number 4400000037 created. 2. STO from BDIH to plant
	Transaction number 1000000017 created. 3. Transaction no

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

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Automatic STO creation	
Purchase order deatils:	
Purchasing Document	440000036
Item	

Step 7: Enter the transaction no and click on update



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Automatic STO creation	
Purchase order deatils:	
Purchasing Document 440000036	
Item 10	
Update or create	
Transaction number 1000000017	
CREATE DISPLAY UPDATE	

Step 8: Enter the actual challan qty

date detail	s				
ke information					
ansaction ID number item number date	1000000017 4400000036 10 10.04.2020	RR rate RR Chrg. Qty. RR Quantity Rake Number No. of Wagons	HF-15	Loading Siding Actual Chall. Qty. Prov. Chall. Qty.	3900 <mark>)</mark> 3,000.000
Provis	ional GR details:	5000001013 2020		Create GR at Badhidi & STO (Bandhidi	Plant)

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



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date detai	ls				
ke information					
ansaction ID	100000017	RR rate		Loading Siding	
number	440000036	RR Chrg. Qty.		Actual Chall. Qty. 3900	
item	10	RR Quantity		Prov. Chall. Qty. 3,000.000	
number		Rake Number	HF-15		
date	10.04.2020	No. of Wagons			
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Prov	isional GR details:	5000001013 2020		Create GR at Badhidi & STO (Bandhidi-Plant)	J

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Log display	
() AVHHT , <u>2,%</u> , 20	
Icon ID Message	
Mat Doc 5000001014 for year 2020 created.	1. GRN for addition 900 qty material doc no
STO number 440000037 updated.	2. STO no updated with second line item of 900 qty
COO Transaction 100000017 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

SAP S/4 HANA menu	N/A
Transaction Code	ZM023

c) Responsibility Raw Material – GRN team

d) Screen capture/ Process Step 1: Click on gate entry



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ECL Cata Entra	
ESL Gate Entry	
	Create Gate Entry
	Vehicle Out Entry
	Display Gate Entry
	Cancel Gate Entry
	Approve 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.

ate Entry			
AVE			
Header Data	GATE ENTRY	PO Item None PO Item / Service	RGP
Challan No 717 Challan Date 13.04.2020 RR No. RR RR Date	Way Bil No Mining Challan/TP No Plant Gate No Plant WeighBridge No Mode of Transport HEAVY VEHI Transporter Name Vehicle No S89 Container No Vessel Name Rake No. HEF_14	Gate Entry Date 13.04.2020 Time of Entry 17:58:23 Vendor Code 0000 Vendor Name ESL-Jron & Power Vehicle Unloading Date Vehicle Unloading Time 00:00:00 Vehicle out Date Vehicle out Time 00:00:00 Tax Invoice MO Decl Value in Way Bill Decl Value in Way Bill Test Certificate BO DFT Copy NO Gurantee Certificate NO	User ID / I MM_SUPP
Transporter Code ADD Remarks	Transporter Name In	voice Invoice Date	

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



ate Entry						
AVE	Purch.Doc. C Type Vendor Rel					
	4400000004 F 251B B					
Header Data	4400000005 F ZSTB G		PO Item	○None PO Ite	m / Service	
	440000007 F ZSTB					
Challan No. 717	440000008 F ZSTB	Gate Fr	ntry Date	13 04 2020		
Challan No 13 04 2020	4400000009 F ZSTB	Time of	f Entry	17:59:22		
DD No.	4400000011 F ZSTB	Vender	Code	17.36.23		
	4400000012 F ZSTB	Vendor	code	1000		
RK Date	4400000015 F ZSTB	Vendor	Name			
LR/BL No	4400000016 F ZSTB	Vehicle	Unloading Date			
LR/BL Date	4400000018 F ZSTB	Vehicle	Unloading Time	00:00:00		
Bill of Entry No	4400000021 F ZSTB	Vehicle	out Date			
Bill of Entry Date	4400000022 F ZSTB	Vehicle	out Time	00:00:00	Tax Invoice	1
	4400000024 F ZSTB	Decl Va	lue in Way Bill			
	440000025 F ZSTB	Test Ce	ertificate	NO	DFT Copy	F
	4400000028 F 2511	Gurante	ee Certificate	no		
	4400000029 F 2511 G					
Transporter Code	T 440000031 F 2518			Invoice Date		
ADD Remarks	440000035 F ZSTB			Invoice Date		_
No of container pending	4400000037 F ZSTB			Def. Cate Entry		_
No. of containers pending 0 1	101			Ref. Gate Entry	no.	-
S PO Number Item Material Number		DM Tola	arance Qty	Balance to Enter	Challan Qty	
	21 Entries found					

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

te Entry									
AVE									
Header Data		GATE	ENTRY			●PO Item	ONone PO I	cem / Service	
Challan No 717 Challan Date 13.04.2 RR No. 13.04.2 RR Date 14.2 LR/BL NO 14.2 LR/BL Date 14.2 Bill of Entry No 14.2 Bill of Entry Date 14.2		Way Bill No Mining Challan/TP No Plant Gate No Plant WeighBridge No Mode of Transport Transporter Name Vehicle No Container No Vessel Name Rake No. Rake Trip No.	1 HEAVY VEHI 889 HF-14			Gate Entry Date Time of Entry Vendor Code Vendor Name Vehicle Unloading Date Vehicle Unloading Time Vehicle out Date Vehicle out Time Decl Value in Way Bill Test Certificate Gurantee Certificate	13.04.2020 17:58:23 1000 ESL-Iron & Power 00:00:00 00:00:00 NO NO	Tax Invoice	NO
Transporter Code	Trans	oorter Name			Invoice		Invoice Date		
ADD Remarks No. of containers pending	0 No. of	containers received	7				Ref. Gate Entr	y no.	
S PO Number Item Material N	umber Mat	erial Description		Order Qty	UO	M Tolarance Qty	Balance to Enter	Challan Qty	
1 440000035 10 MFL1510	6050010 COA	L;HRD CKNG		3,800.000	TO	0.000	3,800.000		

Step 5: Enter the Challan qty



the Entry PO Item / Service AVE Header Data GATE ENTRY OPO Item / Service Chalan No 717 Way Bil No Gate Entry Date 13.04.2020 Chalan 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 Vendor Name ESL-Iron & Power LR/BL No Mode of Transport HEAVY VEHI Vehicle Unloading Date									
AVE Header Data GATE ENTRY • PO Item None PO Item / Service Challan No 717 Way Bill No Gate Entry Date 13.04.2020 R No. 717 Way Bill No Gate Entry Date 13.04.2020 RR Date 13.04.2020 Mining Challan/TP No Trme of Entry 17:58:23 Vendor Code 1000 Vendor Code 1000 LR/BL No Plant WeighBridge No Vendor Name ESL-Iron & Power LR/BL Date Transporter Name Vehicle Unloading Date Oci00:00 Bill of Entry No Vehicle No 859 Vehicle out Date Bill of Entry Date Container No Vehicle out Time 00:00:00 Tax Invoice No Vessel Name Rake No. HF-14 Test Certificate No DFT Copy No	ate Entry								
Header Data GATE ENTRY • PO Item None PO Item / Service 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 Vendor Code LR/BL No Plant WeighBridge No Vendor Name ESL-Iron & Power Vehicle Unloading Date LR/BL Date Transporter Name Vehicle Unloading Time 00:00:00 Vehicle Unloading Time Bill of Entry No Vehicle No 889 Vehicle out Time 00:00:00 Tax Invoice Bill of Entry Date Container No Vesiel Name Decl Value in Way Bill Tax Invoice No Rake No. HF-14 Test Certificate NO DFT Copy No	SAVE								
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 Vehicle Unloading Time Bil of Entry No Vehicle No 889 Vehicle out Date O0:00:00 Bil of Entry Date Container No Vehicle univariant No Vehicle univariant No No Vessel Name Decl Value in Way Bill Test Certificate NO DFT Copy NO	Header Data		GATE	ENTRY		⊙PO Item	○None PO I	tem / Service	C
	Challan No Challan Date RR No. RR Date LR/BL No LR/BL Date Bill of Entry No Bill of Entry Date	717 13.04.2020	Way Bill No Mining Challan/TP No Plant Gate No Plant WeighBridge No Mode of Transport Transporter Name Vehicle No Container No Vessel Name Rake No.	1 HEAVY VEHI 889 HF-14		Gate Entry Date Time of Entry Vendor Code Vendor Name Vehicle Unloading Date Vehicle Unloading Time Vehicle out Date Vehicle out Time Decl Value in Way Bill Test Certificate	13.04.2020 17:58:23 ESL-Iron & Power 00:00:00 00:00:00 N0	Tax Invoice	NO
	Transporter Code		Transporter Name		Invoice		Invoice Date		
Transporter Code Transporter Name Invoice Invoice Date	ADD Remarks No. of containers p	ending 0 N	lo. of containers received				Ref. Gate Entr	y no.	
Transporter Code Transporter Name Invoice Invoice Date ADD Remarks	S PO Number Ite	m Material Number	Material Description	Ord	er Qty UO	M Tolarance Qty	Balance to Enter	Challan Qty	
Transporter Code Transporter Name Invoice Invoice Date ADD Remarks No. of containers pending 0 No. of containers received S PO Number Item Material Description Order Qty UOM Tolarance Qty Balance to Enter	1 4400000035 10	MFL151016050010	COAL: HRD CKNG	3.8	0.000 TO	0.000	3,800.000	3800	

Step 6: Click on save button

to Entra									
ite Entry									
SAVE									
Header Data		GATE E	INTRY			●PO Item	○None PO I	tem / Service	01
Challan No 717 Challan Date 13.0 RR No. LR/BL NO LR/BL NO LR/BL Date Bill of Entry NO Bill of Entry Date	94.2020	Way Bill No Mining Challan/TP No Plant Gate No Plant WeighBridge No Mode of Transport Transporter Name Vehicle No Container No Vessel Name Rake No. Rake Trip No.	1 HEAVY VEHI 889 HF-14			ate Entry Date me of Entry endor Code endor Name ehicle Unloading Date ehicle Unloading Time ehicle out Date ehicle out Time eci Value in Way Bill est Certificate urantee Certificate	13.04.2020 17:58:23 1000 ESL-Iron & Power 00:00:00 00:00:00 NO NO	Tax Invoice	NO
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S BO Number Item Mate	rial Number Mat			Order Otv	UOM	Tolarance Oty	Balance to Enter	Challan Oty	
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Gate Entry number generated



te Entry							
AVE							
Header Data	GATE ENTRY			⊙PO Item	◯None PO It	tem / Service	(
Challan No 717 Challan Date 13.04.2020 RR No. RR Date LR/BL No LR/BL Date Bill of Entry No Bill of Entry Date E: Information	Way Bill No Mining Challan/TP No Plant Gate No Node of Transport Transporter Name Vehicle No Sesel Name Rake No. HE-14 Rake Trip No.	EHI	G.2 Tri V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4 V-4	ate Entry Date me of Entry endor Code endor Name ehicle Unloading Date ehicle out Date ehicle out Date ehicle out Time ecl Value in Way Bill est Certificate urantee Certificate	13.04.2020 18:09:41 1000 ESL-Iron & Power 00:00:00 00:00:00 NO NO	Tax Invoice	NO
Tran 👔 🔁 📴 Tran ADD	96]	nvoice		Invoice Date		
No.		Order Ob.	HOM	Tabara Ob.	Ref. Gate Entry	y no.	
1 4		3,800.000	TO	0.000	3,800.000	3800	

** 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

SAP S/4 HANA menu	N/A
Transaction Code	ZGRN_AUTO

c) Responsibility Raw Material – GRN team

d) Screen capture/ Process Step 1: Enter the gate entry date



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Post GRN for t	he Gate Entry				
⊕					
Gate entry date	[13.04.202	to			

Step 2: Click on execute

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Post GRN for the G	ate Entry		
(
Gate entry date	[13.04.2020] to	\$	

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