
User manual

Domestic Procurement of Raw Material by Rail

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15/04/2020

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a) Definition and Prerequisites	58
b) Menu Path and Transaction code	58
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Scenario

1 Domestic Raw Material Procurement By Rail

Types of domestic raw material procured – Coking coal, IBRM, Flux (Limestone Lumps, Limestone Fines, Dolomite lumps, Dolomite fines, Quartzite), Ferro Alloys, Coke, Thermal coal.

Requirement is generated through Purchase Requisition by user Department and released as per DOA. After PR is released, RFQ is floated to vendor (not in sap) by the RMIL team and quotation comparison is done (not in sap). Considering technical and commercial recommendation, vendor is selected and NFA (note for approval) is created and send for approval in SAP. After approval of NFA, PO is created and released. Payment is done as per terms and conditions (LC/DPR).

Domestic Raw Material can arrive Plant via Road or Rail. Here in this process we are considering Rail case.

1.1 Purchase Requisition Creation

a) Definition and Prerequisites

User department raises the requirement via Purchase Requisition

b) Menu Path and Transaction code

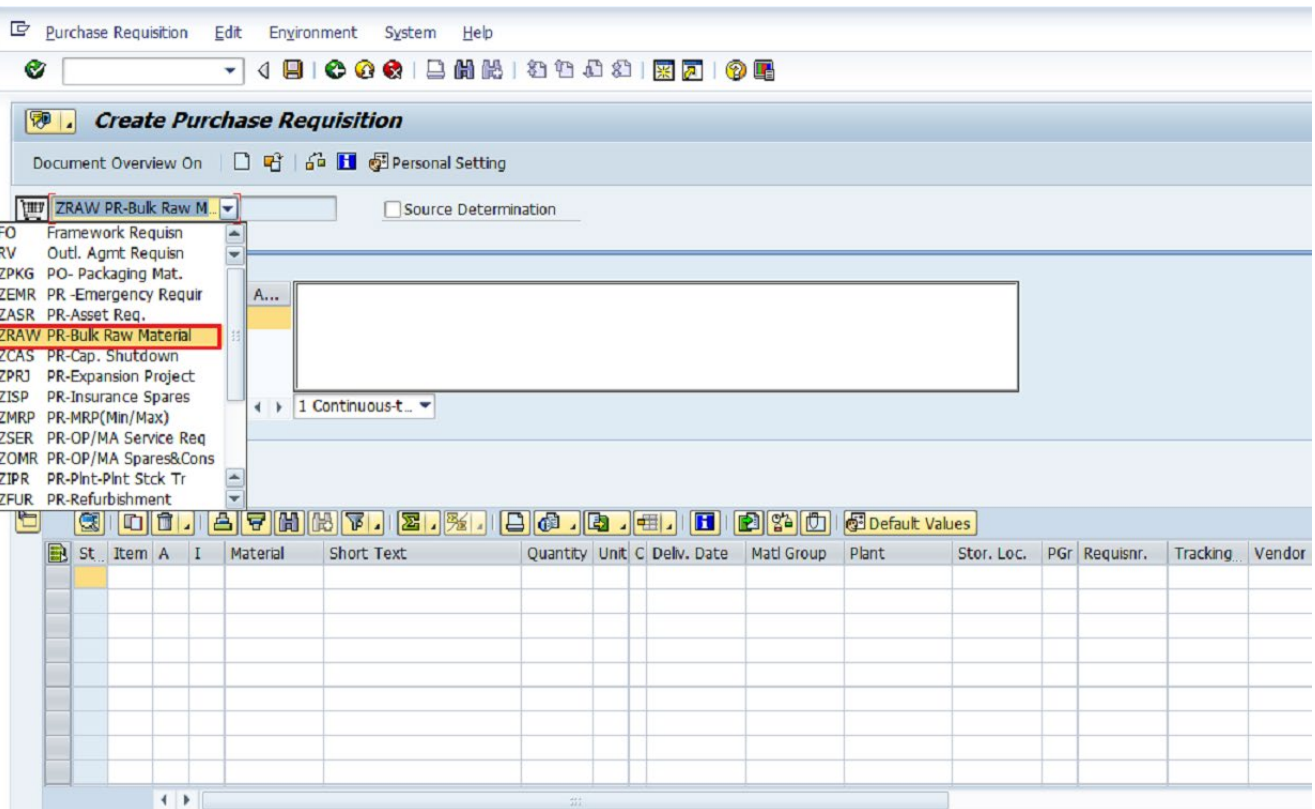
SAP S/4 HANA menu	SAP menu > Logistics > Materials Management > Purchasing > Purchase Requisition
Transaction Code	ME51N

c) Responsibility

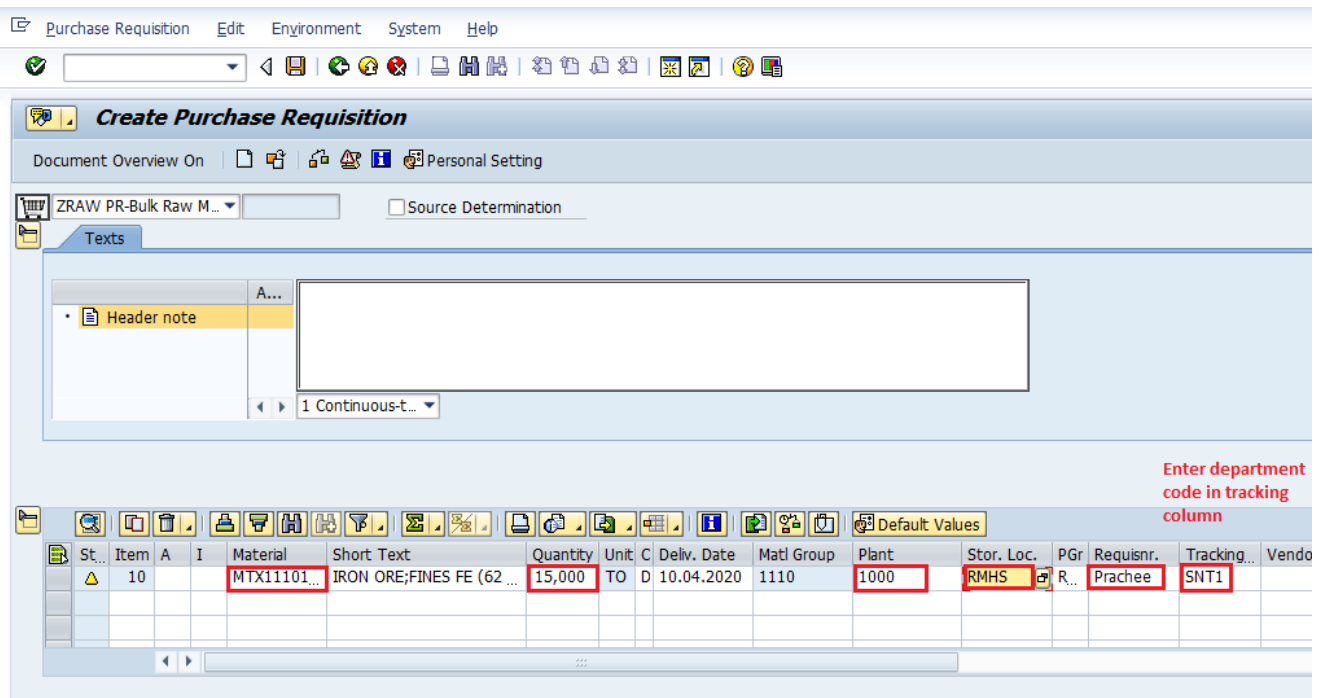
Department's user

d) Screen Capture/ Process Steps

Step 1: Create PR with doc Type ZRAW and check the source determination box



Step 2: Enter material, quantity, plant, storage location, requisitioner and department code in tracking number column



Step 3: Enter Valuation price

Purchase Requisition Edit Environment System Help

Create Purchase Requisition

Document Overview On Personal Setting

ZRAW PR-Bulk Raw M... Source Determination

Texts

Header note

1 Continuous-t...

St...	Item I	Material	Short Text	Quantity	Unit	C	Deliv. Date	Matl Group	Plant	Stor. Loc.	PGR	Requisnr.	Tracking...	Vendor	Fixed vend
	10	MTX11101...	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	1110	1000	RMHS	R...	Prachee	SNT1		

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Dates **Valuation** Source of Supply Status Contact Person Texts Delivery Address

Valuation Price 247.70 INR / 1 TO Total Value 3,715,500.00 INR

Valuation Type

Promotion

**Check the price/enter the valuation price*
***By default, price is fetched from material master*

Goods receipt

Step 4: Enter Source Of Supply

Purchase Requisition Edit Environment System Help

Create Purchase Requisition

Document Overview On Personal Setting

Header note

1 Continuous-t...

St...	Item I	Material	Short Text	Quantity	Unit	C	Deliv. Date	Matl Group	Plant	Stor. Loc.	PGR	Requisnr.	Tracking...	Vendor
	10	MTX11101...	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	1110	1000	RMHS	R...	Prachee	SNT1	

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Dates Valuation **Source of Supply** Status Contact Person Texts Delivery Address

Agreement Purch.Org. Order Unit

Fixed vendor Suppl. Plant

Info Record Issuing Stor. Loc.

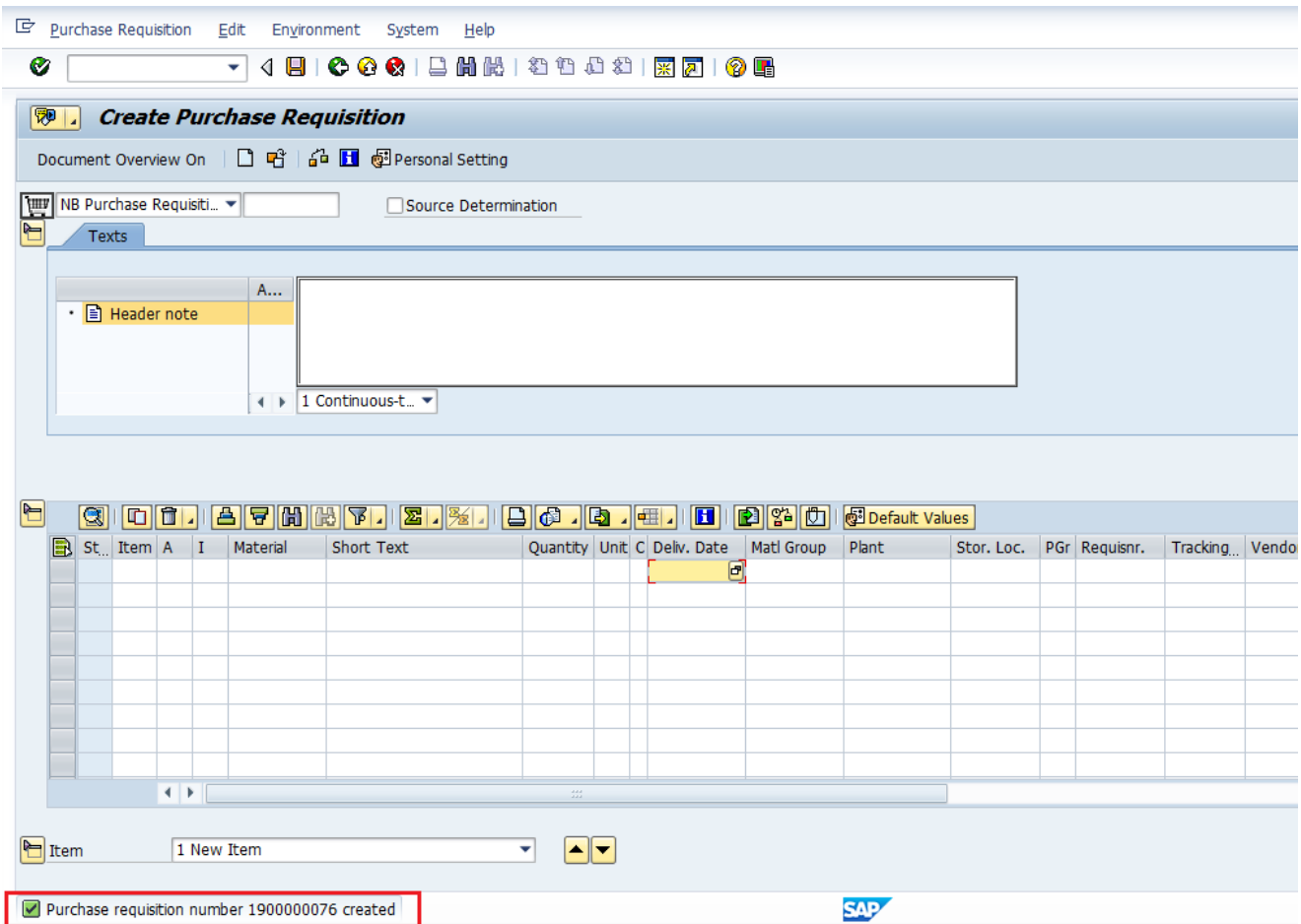
Desrd Supplier

Assign source of supply, such as contract (if exists)

Supplier Material No

Assign Source of Supply

Step 5: Save the PR



1.2 Purchase Requisition Release

a) Definition and Prerequisites

PR will be released as per DOA

b) Menu Path and Transaction code

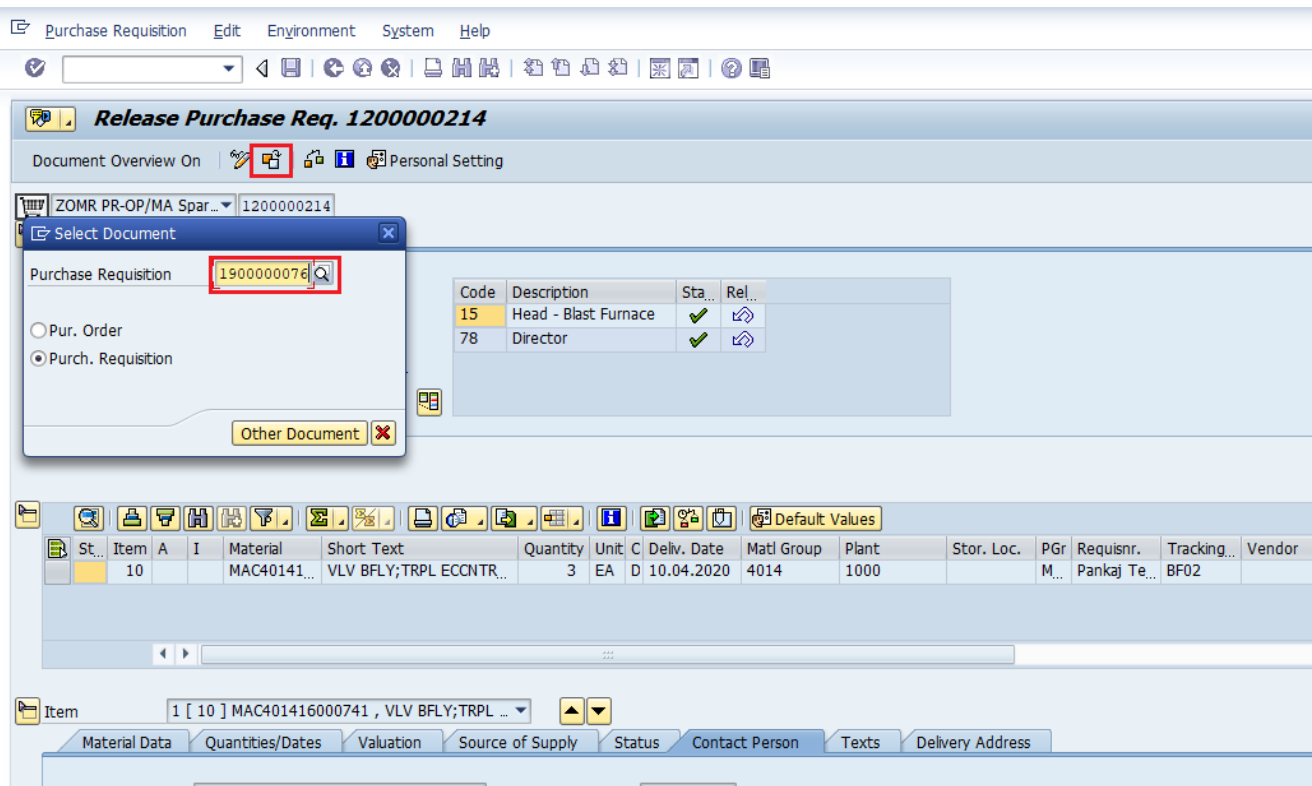
SAP S/4 HANA menu	SAP Menu ->Logistics->Materials Management->Purchasing->Purchase Requisition->Release->Individual Release
Transaction Code	ME54N

c) Responsibility

DOA Approvers

d) Screen capture/ Process

Step 1: Click on other document and enter the purchase requisition to be released.



Step 2: Click on the release sign

Purchase Requisition Edit Environment System Help

Release Purchase Req. 190000076

Document Overview On Personal Setting

ZRAW PR-Bulk Raw M... 190000076

Texts Release strategy

Release group RI Release overall
 Release Strategy G7 SNT1-Any Value
 Release Indicator X Blocked

Code	Description	Sta..	Rel..
43	Head - Sinter	⚠	✎
78	Director		✎

St...	Item	A	I	Material	Short Text	Quantity	Unit	C	Deliv. Date	Matl Group	Plant	Stor. Loc.	PGr	Requisnr.	Tracking...	Ven
	10			MTX11101...	IRON ORE;FINES FE (62...	15,000	TO	D	10.04.2020	1110	1000	RMHS	R...	Prachee	SNT1	

Item [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Dates Valuation Source of Supply Status Contact Person Texts Delivery Address

Created by MM_SUPPORT Changed On 10.04.2020
 Crea. ind. R Realtime (manual)
 Requisitioner Prachee Dept. Code1 SNT1
 Purch. Group RM1 Raw Material (Dome Telephone

Purchase Requisition Edit Environment System Help

Release Purchase Req. 190000076

Document Overview On Personal Setting

ZRAW PR-Bulk Raw M... 190000076

Texts Release strategy

Release group RI Release overall
 Release Strategy G7 SNT1-Any Value
 Release Indicator 2 RFQ/purchase order

Code	Description	Sta..	Rel..
43	Head - Sinter	✓	✎
78	Director	✓	✎

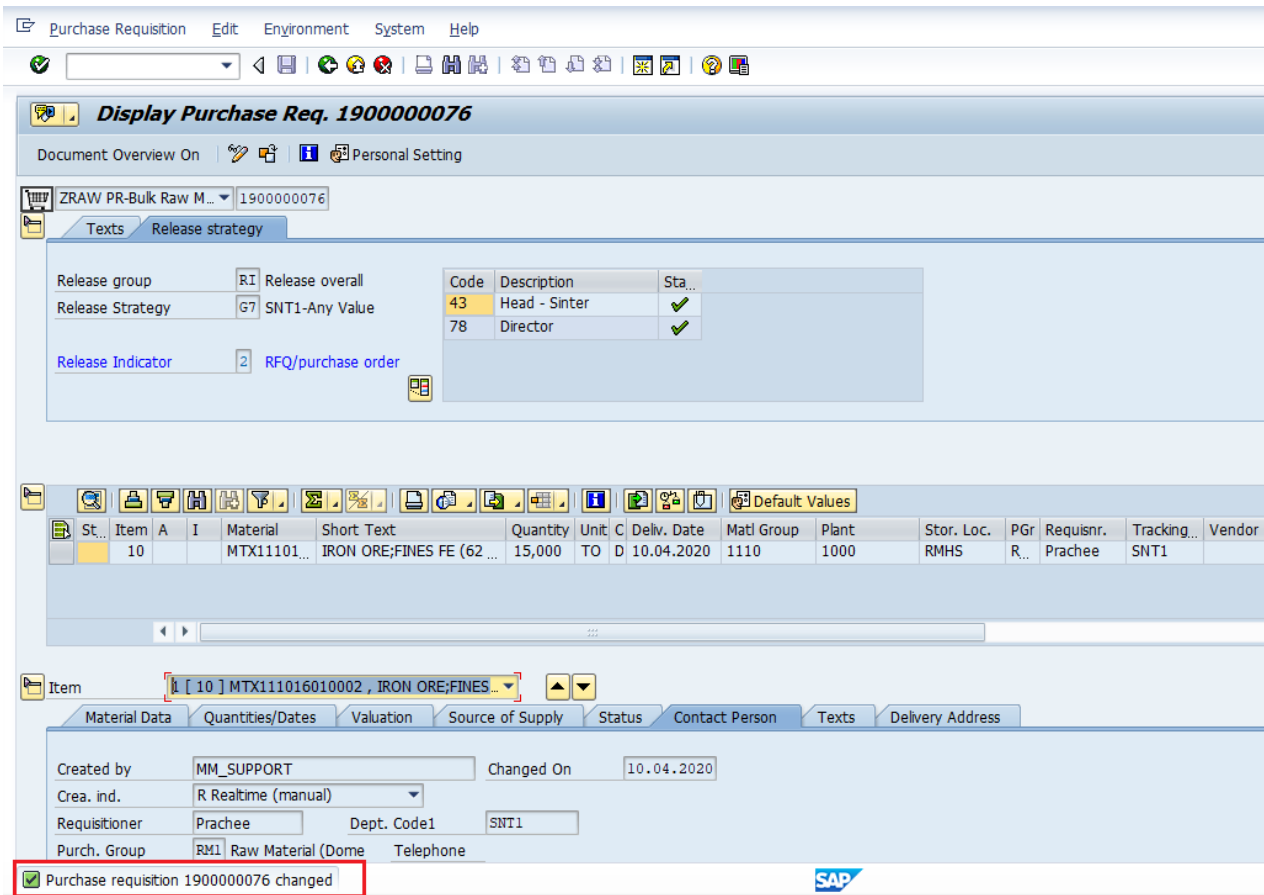
St...	Item	A	I	Material	Short Text	Quantity	Unit	C	Deliv. Date	Matl Group	Plant	Stor. Loc.	PGr	Requisnr.	Tracking...	Ven
	10			MTX11101...	IRON ORE;FINES FE (62...	15,000	TO	D	10.04.2020	1110	1000	RMHS	R...	Prachee	SNT1	

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Dates Valuation Source of Supply Status Contact Person Texts Delivery Address

Created by MM_SUPPORT Changed On 10.04.2020
 Crea. ind. R Realtime (manual)
 Requisitioner Prachee Dept. Code1 SNT1
 Purch. Group RM1 Raw Material (Dome Telephone

Step 3: Click on save button



1.3 NFA Creation

a) Definition and Prerequisites

NFA is Note For Approval. Without NFA, no purchase can happen.

b) Menu Path and Transaction code

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

c) Responsibility

Purchase Department

d) Screen capture/ Process

Please refer the manual for NFA Creation and Approval

1.4 NFA Approval

a) Definition and Prerequisites

NFA will be approved as per DOA.

b) Menu Path and Transaction code

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

c) Responsibility

DOA Approvers

d) Screen capture/ Process

Please refer the manual for NFA Creation and Approval.

1.5 Purchase Order Creation

a) Definition and Prerequisites

Once the NFA has been approved, PO can be created either in reference to Purchase Requisition or in reference to the Contract.

If Contract exist and is missing in PR (under Source of Supply), then create PO in reference to the contract.

If Contract does not exist or exist in the Source of supply of PR, then create PO in reference to PR.

b) Menu Path and Transaction code

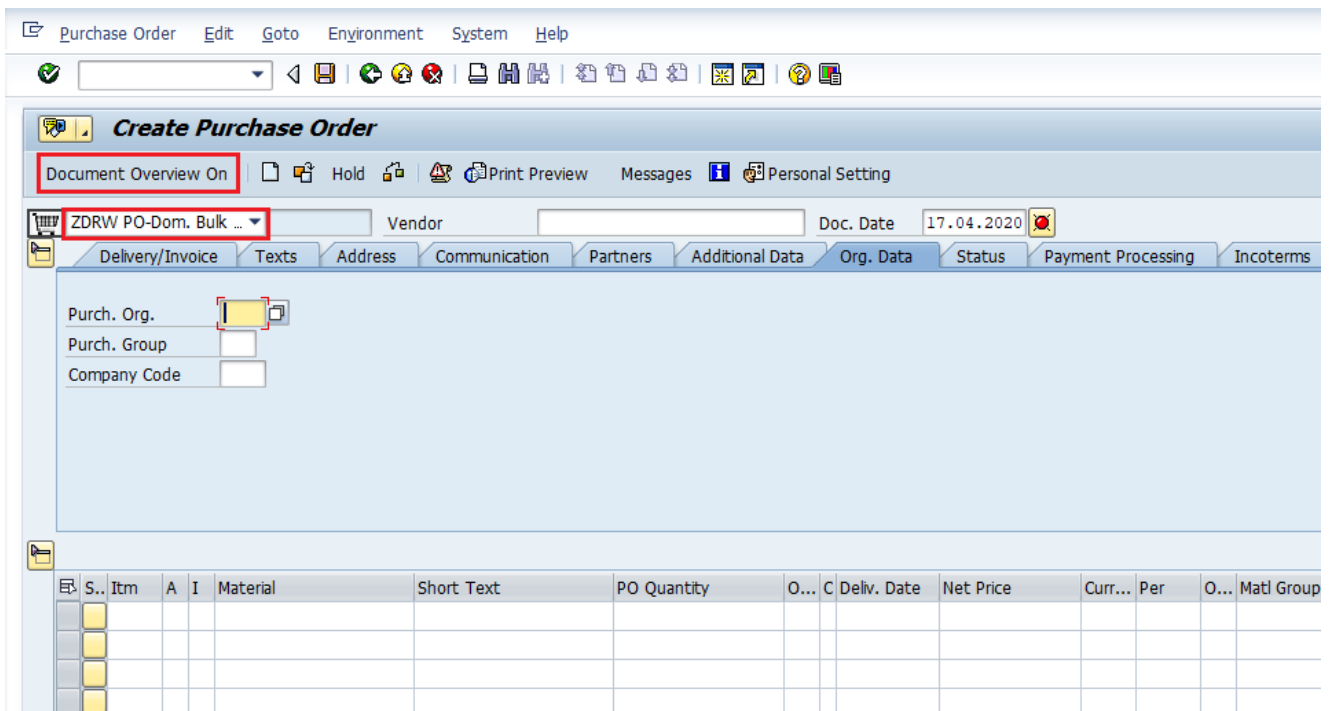
SAP S/4 HANA menu	SAP Menu > Logistics > Materials Management > Purchasing > Purchase Order > Create
Transaction Code	ME21N

c) Responsibility

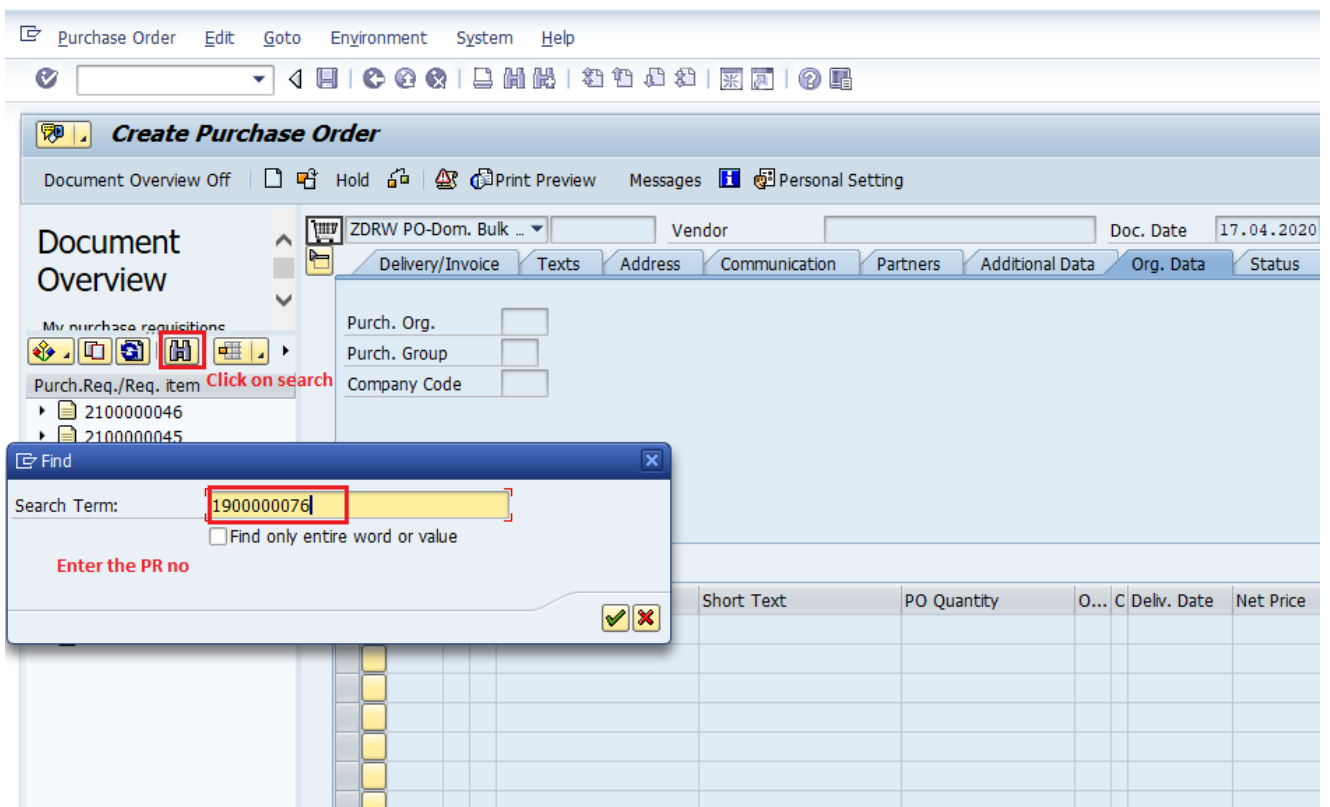
Purchase Department

d) Screen capture/ Process

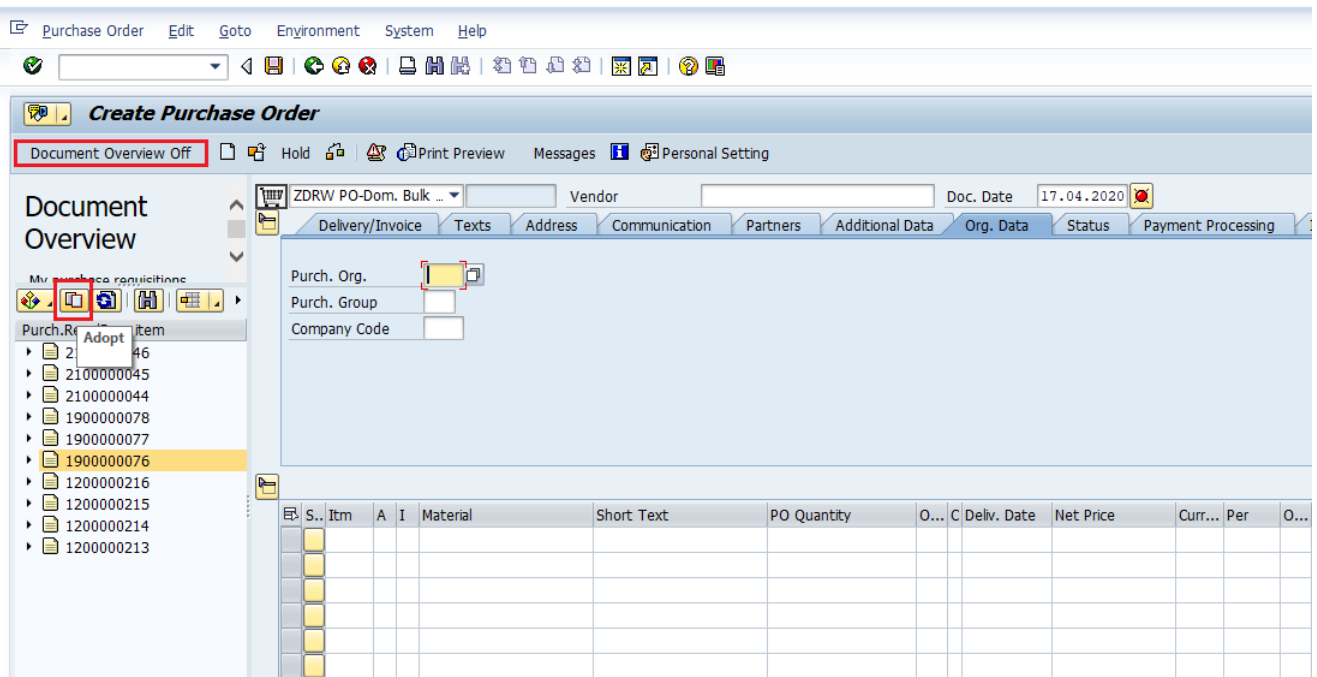
Step 1: Select document type as ZDRW and click on document overview



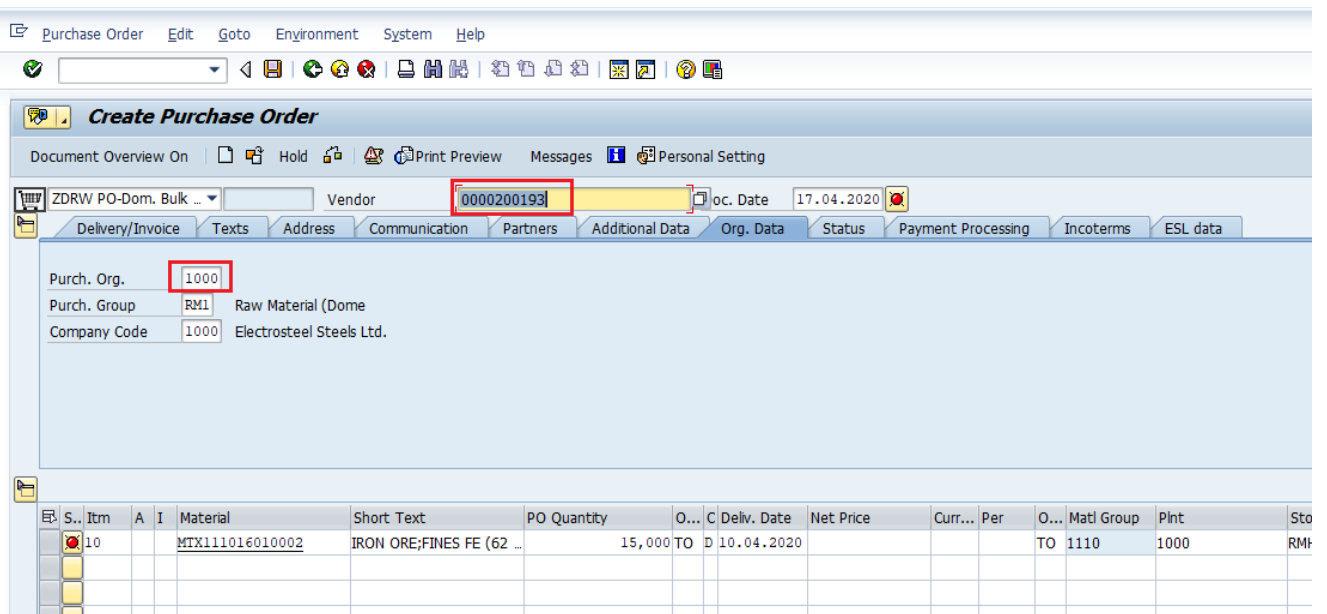
Step 2: Click on search button and enter the purchase requisition. Press Enter



Step-3: Click on adopt and document overview off



Step 4: Enter the purchasing org and vendor



Step 5: Change the quantity if required

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L...
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	10.04.2020		INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Co...

Quantity 15,000 TO Net 0.00 INR

Condition Record Analysis Update

Pricing Elements

I..	Cn Ty	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition V...
10		Net Price		INR		1 TO	0.00	INR		1		TO		1 TO	

Step 6: Enter the contract details (if contract available)

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	Reqmnt Segment	Reqmt No.	Requisitioner	IM Material	Info rec.	R...	F...	T...	Purchase ...	Req...	Outline ag...	Con...	RFQ	Item	Purchasing...
10				SNT1	Prachee			<input type="checkbox"/>	<input type="checkbox"/>		1900000076	10					

Step 7: Enter the gross price

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. Location	Batch	Stock Segment	Reqmnt Segment	Reqmt No.	Requisitioner	IM Mat
10			2,000.00	INR	1	TO	1110	1000	RMHS				SNT1	Prachee	

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Co...

Quantity 15,000 TO Net 30,000,000.00 INR

Condition Record Analysis Update

Pricing Elements

I..	CnTy	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition V...
		PBXX Gross Price	2,000.00	INR		1 TO	30,000,000.00	INR			1	TO		1 TO	
		ZD01 Discount (%) Gross					0.00	INR			0			0	
		Gross Price After Di	2,000.00	INR		1 TO	30,000,000.00	INR			1	TO		1 TO	
		ZRTY A/P Royalty NDT					0.00	INR			0			0	

Step 8: Enter the delivery conditions

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L...
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000 TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Co...

Quantity 15,000 TO Net 30,000,000.00 INR

Condition Record Analysis Update

Pricing Elements

I..	CnTy	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition V...
		Total - V (Incl.)	2,000.00	INR		1 TO	30,000,000.00	INR			1	TO		1 TO	
		ZSHQ Shftng Ch Lngng Pnt-Q	120.00	INR		1 TO	1,800,000.00	INR			1	TO		1 TO	
		ZSHF Shftng Ch Lngng Pnt-V					0.00	INR			0			0	
		Sub Total - VI(Incl.)	2,120.00	INR		1 TO	31,800,000.00	INR			1	TO		1 TO	
		ZRF2 Rail Freight (Q) Net	700.00	INR		1 TO	10,500,000.00	INR			1	TO		1 TO	
		ZRF3 Rail Freight (V) Net					0.00	INR			0			0	

Select the condition to map the vendor and click on search button

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C Delv. Date	Net Price	Curr...	Per	O...	Matl Group	PInt	Stor. L
	10			MIX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Co...

Quantity 15,000 TO Net 30,000,000.00 INR

Condition Record Analysis Update

I...	CnTy	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition Vi
		Total - V (Incl.	2,000.00	INR		1 TO	30,000,000.00	INR		1		TO		1 TO	
		ZSHQ Shftng Ch Ldng Pnt-Q	120.00	INR		1 TO	1,800,000.00	INR		1		TO		1 TO	
		ZSHF Shftng Ch Ldng Pnt-V		INR			0.00	INR		0				0	
		Sub Total - VI(Incl.	2,120.00	INR		1 TO	31,800,000.00	INR		1		TO		1 TO	
		ZRF2 Rail Freight (Q) Net	700.00	INR		1 TO	10,500,000.00	INR		1		TO		1 TO	
		ZRF3 Rail Freight (V) Net		INR			0.00	INR		0				0	

Map the vendor for the same, press enter and click on back button

Goto System Help

Item - Conditions - Detail

Item 10 Application M

Condition type ZRF2 Rail Freight (Q) Net CondPricingDate 17.04.2020

Condition Values

Amount 700.00 INR / 1 TO

Cond.Base Value 15,000.000 TO

Condition Value 10,500,000.00 INR

Control

Condition Class A Discount or surcharge

Calculat.Type C Quantity Statistical

Condit.Category B Delivery costs Accruals

Cond.Control C Changed manually Changed Manual.

Condit.Origin A Automatic pricing

Account Determination

Account Key ERL

Accruals LRL

Vendor 300015

To add a condition type, click at the last blank space

The screenshot shows the SAP 'Create Purchase Order' interface. The main table displays pricing elements for item 10 (Material: MTX111016010002). The 'Total Value' row is highlighted with a red box.

L...	CnTy	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition V...
		ZUPQ Analysis Unldng Pt-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZRSQ Supervision Chrgs-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZTP1 Tarpaulin Cov Chgs-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		Total Value	2,820.00	INR		1 TO	42,300,000.00	INR			1	TO		1 TO	

Click the condition type required and press enter

The screenshot shows the same SAP 'Create Purchase Order' interface, but with a dialog box open. The dialog box is titled 'Condition type (1) 38 Entries found' and contains a list of condition types. The entry 'ZTP1 Tarpaulin Cov Chgs-Q' is selected and highlighted with a red box.

CType	Name
ZPKF	P/F Chrgs (%) Gross
ZPKQ	P/F Chrgs (Q) Gross
ZREQ	Rake Escort Chrgs-Q
ZREV	Rake Escort Chrgs-V
ZRF2	Rail Freight (Q) Net
ZRF3	Rail Freight (V) Net
ZRSQ	Supervision Chrgs-Q
ZRSV	Supervision Chrgs-V
ZRTY	A/P Royalty NDT
ZSER	Service Charges
ZSHF	Shftng Ch Ldng Pnt-V
ZSHQ	Shftng Ch Ldng Pnt-Q
ZSLC	A/P Evacu Faci. Chrg
ZSTC	A/P Surface Transprt
ZTP1	Tarpaulin Cov Chgs-Q
ZTP2	Tarpaulin Cov Chgs-V
ZUPQ	Analysis Unldng Pt-Q
ZUPV	Analysis Unldng Pt-V

To delete a condition, select it and press delete row

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On | Hold | Print Preview | Messages | Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Pint	Stor. L...
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data | Quantities/Weights | Delivery Schedule | Delivery | Invoice | Conditions | India | Texts | Delivery Address | Confirmations | Condition Co...

Quantity 15,000 TO Net 30,000,000.00 INR

Condition Record | Analysis | Update

I..	ConTy	Name	Amount	Crcy	per	U...	Condition Value	Curr.	Status	Num...	ATO/MTS Component	OUn	CCon...	Un	Condition Vc
		Sub Total - VI(incl.	2,820.00	INR		1 TO	42,300,000.00	INR			1	TO		1 TO	
		ZREQ Rake Escort Chrgs-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZLPQ Analysis Loading Pt-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZUPQ Analysis Unldng Pt-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZRSQ Supervision Chrgs-Q		INR		1 TO	0.00	INR			1	TO		1 TO	
		ZTP1 Tarpaulin Cov Chgs-Q		INR		1 TO	0.00	INR			1	TO		1 TO	

Step 9: Click on invoice tab and enter tax code.

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On | Hold | Print Preview | Messages | Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Pint	Stor. L...
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Material Data | Quantities/Weights | Delivery Schedule | Delivery | Invoice | Conditions | India | Texts | Delivery Address | Confirmations | Condition Co...

Inv. Receipt
 Final Invoice
 GR-Bsd IV
 DP Category

Tax Code 1A Taxes

Step-10: Click on the ESL tab to enter the NFA number

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S...	Item	A	I	Material	Short Text	PO Quantity	O...	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS
											INR					
											INR					
											INR					
											INR					
											INR					

Material Data Quantities/Weights Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Control Retail Incoterms **ESL data**

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Inv. Receipt Final Invoice GR-Bsd IV DP Category Tax Code IA Taxes

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Header

S...	Item	A	I	Material	Short Text	PO Quantity	O...	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS
											INR					
											INR					
											INR					
											INR					
											INR					

Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Control Retail Incoterms **ESL data**

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

NFA No. **NF20200003**

Step-11: Click on header tab ESL data. Enter GRN Indicator, mode of transport and transporter (single/multiple)

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data Status Payment Processing Incoterms ESL data

Arrival via containers Number of Containers

Vessel Name Bill of Lading BOL Date

GRN Indicator 1. GRN to be done on Challan (CH) qty
 Transportation mode 2. Mode of transport is rail + road (BDIH to plant)
 Transporter 3. Transporter involved is a single party

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D 10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Control Retail Incoterms ESL data

Step-12: Click on deliver/invoice under header tab to map payment condition

Purchase Order Edit Goto Environment System Help

Create Purchase Order

Document Overview On Hold Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data Status Payment Processing Incoterms ESL data

Payment Terms Currency INR
 Exchange Rate 1.00000 Fixed Exch. Rate

Payment in days %
 Payment in days %
 Payment in days net GR Message

S..	Itm	A	I	Material	Short Text	PO Quantity	O...	C Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. L
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D 10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Item 1 [10] MTX111016010002 , IRON ORE;FINES...

Delivery Schedule Delivery Invoice Conditions India Texts Delivery Address Confirmations Condition Control Retail Incoterms ESL data

Step-13: Click on header text data to map the relevant information at the header level

The screenshot shows the 'Create Purchase Order' interface in SAP, with the 'Texts' tab selected. The 'Header Texts' section contains a text entry: 'Iron ore fines.....'. Below this, a table lists the purchase order items. The first item is highlighted.

S.	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. Lc
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Step-14: Click on header Incoterms tab to map the incoterm condition

The screenshot shows the 'Create Purchase Order' interface in SAP, with the 'Incoterms' tab selected. The 'Incoterms' section is populated with 'EXW' and 'Orissa'. Below this, the same item table as in the previous screenshot is visible.

S.	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Deliv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. Lc
10				MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	10.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS

Step 15 : Click on item detail text to provide relevant information line wise

The screenshot shows the SAP 'Create Purchase Order' interface. At the top, there is a menu bar with 'Purchase Order', 'Edit', 'Goto', 'Environment', 'System', and 'Help'. Below the menu is a toolbar with various icons. The main area is titled 'Create Purchase Order' and contains a 'Document Overview' section with fields for 'Incoterms Version', 'Incoterms' (set to 'EXW'), 'Incoterms Location 1' (set to 'Orissa'), and 'Incoterms Location 2'. Below this is a table with columns: S., Itm, A, I, Material, Short Text, PO Quantity, O..., C, Deliv. Date, Net Price, Curr..., Per, O..., Matl Group, Plnt, and Stor. Ld. The table contains one row with material 'MTX111016010002' and short text 'IRON ORE;FINES FE (62 ...'. Below the table is a toolbar with icons and buttons for 'Default Values' and 'Add Planning'. At the bottom, there is an 'Item' dropdown menu and a series of tabs: 'Delivery Schedule', 'Delivery', 'Invoice', 'Conditions', 'India', 'Texts', 'Delivery Address', 'Confirmations', 'Condition Control', 'Retail', 'Incoterms', and 'ESL data'. The 'Texts' tab is active, showing a list of 'Item Texts' on the left and a text entry field on the right. The text entry field contains 'IRON ORE; TYPE: FINES FE (62 PCT); ADD INFO: PURITY: BELOW 65 PCT'.

Step 16 : Click on item detail text to provide incoterm information line wise

The screenshot shows the same SAP 'Create Purchase Order' interface as above, but with the 'Incoterms' tab selected. The 'Incoterms' tab shows the same fields as the 'Texts' tab: 'Incoterms Version', 'Incoterms' (set to 'EXW'), 'Incoterms Location 1' (set to 'Orissa'), and 'Incoterms Location 2'. The 'Incoterms' field is highlighted with a red box, and the 'Incoterms Location 1' field is also highlighted with a red box. The 'Save' button is highlighted with a red box.

Step 17 : Click on save button

1.6 Purchase Order Release

a) Definition and Prerequisites

PO will be released as per DOA

b) Menu Path and Transaction code

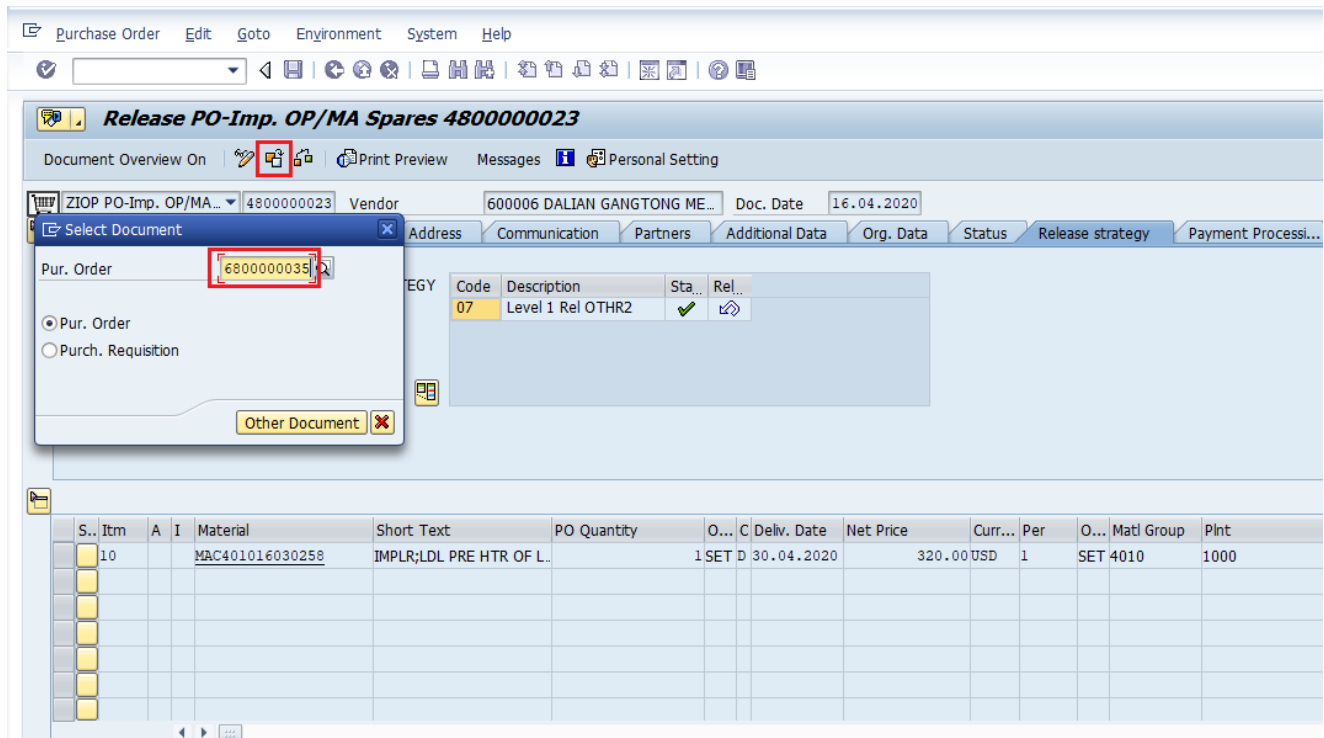
SAP S/4 HANA menu	SAP Menu->Logistics → Materials Management → Purchasing → Purchase Order → Release → Individual Release
Transaction code	ME29N

c) Responsibility

DOA Approvers

d) Screen capture/ Process

Step 1: Click on other document and enter the purchase order to be released.



Step 2: Click on the release sign



Purchase Order Edit Goto Environment System Help

Release PO-Dom. Bulk Raw Mat 6800000035

Document Overview On Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... 6800000035 Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data Status Release strategy Payment Processi...

Release group RG ESL PO REL. STRATEGY Code Description Sta. Rel
 Release Strategy Y7 DOPO <= 5 Cr. 07 Level 1 Rel OTHR2  

Release indicator B Blocked, changeable wit...


S...	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt	Stor. Ld
	10			MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	20.04.2020	2,000.00	INR	1	TO	1110	1000	RMHS
											INR					
											INR					
											INR					
											INR					
											INR					

Default Values Add Planning



Purchase Order Edit Goto Environment System Help

Release PO-Dom. Bulk Raw Mat 6800000035

Document Overview On Print Preview Messages Personal Setting

ZDRW PO-Dom. Bulk ... 6800000035 Vendor 200193 RUNGTA MINES LIMITED Doc. Date 17.04.2020 

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data Org. Data Status Release strategy Payment Processi...


Release group RG ESL PO REL. STRATEGY Code Description Sta. Rel
 Release Strategy Y7 DOPO <= 5 Cr. 07 Level 1 Rel OTHR2  

Release indicator G Released

S...	Itm	A	I	Material	Short Text	PO Quantity	O...	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plnt
	10			MTX111016010002	IRON ORE;FINES FE (62 ...	15,000	TO	D	20.04.2020	2,000.00	INR	1	TO	1110	1000

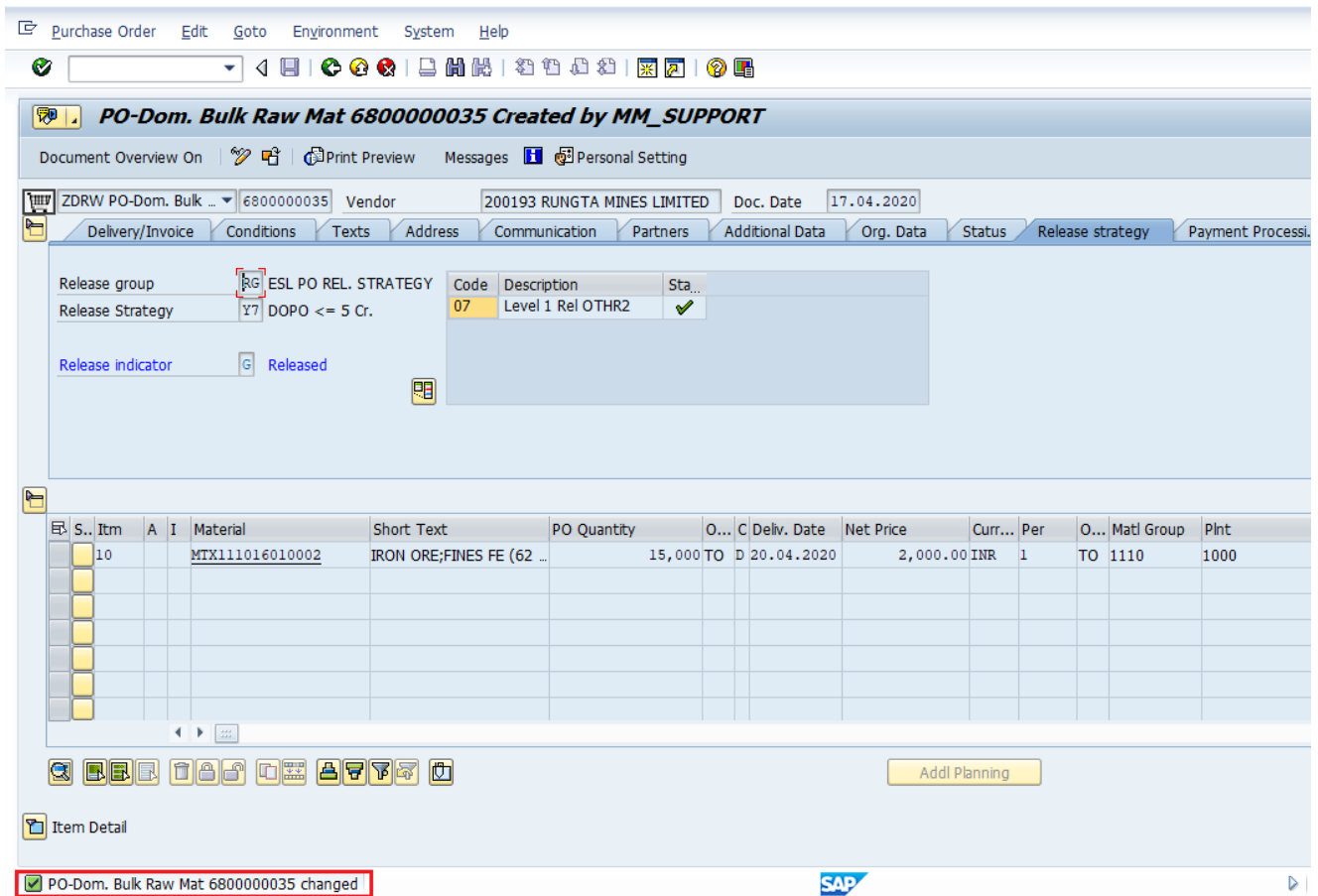
Default Values Add Planning

Item Detail

 Release effected with release code 07

SAP

Step 3: Click on save button



1.7 Contract Creation

a) Definition and Prerequisites

The purchase department may enter into a long term contract with the approved supplier. Contract is an optional step.

b) Menu Path and Transaction code

SAP S/4 HANA menu	SAP Menu > Logistics > Material Management > Purchasing > Outline Agreement > Contract
Transaction Code	ME31K

c) Responsibility

Purchase Department

d) Screen capture/ Process

Step 1: Select Agreement type, vendor, purchasing org and purchasing grp. Press Enter

Create Contract : Initial Screen

Reference to PReq Reference to RFQ

Vendor: 200193
 Agreement Type: ZRMK
 Agreement Date: 17.04.2020
 Agreement:

Organizational Data

Purch. organization: 1000
 Purchasing Group: RM1

Default Data for Items

Item Category:
 Acct Assignment Cat.:
 Plant:
 Storage location:
 Material Group:
 Dept. Code:
 Supplier Subrange:
 Acknowledgment Req:

Step 2: Enter validity end date, payment terms (if applicable) and press enter

Create Contract : Header Data

Agreement: Company Code: 1000 Purchasing Group: RM1
 Agreement Type: ZRMK Purch. organization: 1000
 Vendor: 200193 RUNGTA MINES LIMITED

Administrative Fields

Agreement Date: 17.04.2020 Item Number Interval: 10 Subitem Interv.: 1
 Validity Start: 17.04.2020 Validity End: 30.04.2021 Language: EN
 GR Message

Terms of Delivery and Payment

Payment terms: Targ. Val.: INR
 Payment in: Days: % Exch. Rate: 1.00000 Ex.Rate Fx:
 Payment in: Days: %
 Payment in: Days Net
 Inco. Version:
 Incoterms:
 Inco. Location1:

Reference Data

Quotation Date: Quotation:
 Your Reference: Salesperson:
 Our Reference: Telephone:
 Goods Supplier: Invoicing Party:

Step-3: Enter material, quantity, and net price. Press enter

Item	Material	Short Text	Targ. Qty	Net Price	Mat. Grp
10	MTX111016010002	IRON ORE;FINES FE (62 ...	80,000.000	2,000.00	1110

Step-4: Enter the tax code, check the IR, GR-BasedIV and ERS (if applicable)

Quantity and Price

Target Quantity: 80,000 TO RelOrdQty: 15,000
 Net Order Price: 2,000.00 INR / 1 TO Price Date:
 Qty Conversion: 1 TO <-> 1 TO InfoUpdate:

GR/IR Control

Underdel. Tol. % Stock Type Info atReg GR
 Overdelv. Tol. % Unlimited GR non-val
 Tax Code: 1A IR
 Shipping Instr. GR-BasedIV

** Note for ERS, payment terms needs to be maintained

Step 5: Enter Payment terms

Contract Edit Header Item Environment System Help

Create Contract : Item Overview

Account Assignments

Agreement Agreement Type ZRMK Agmt Date 17.04.2020
 Vendor 200193 RUNGTA MINES LIMITED Currency INR

Outline Agreement Items

Item	I	A	Material	Short Text	Targ. Qty	O...	Net Price	Per	O...	Mat. Grp	Plnt	SLoc	D	Stock Segment
10			MTX111016010002	IRON ORE;FINES FE (62 ...	80,000	TO	2,000.00	1	TO	1110				
20														
30														
40														
50														
60														
70														
80														
90														
100														
110														
120														
130														
140														
150														
160														

Contract Edit Header Item Environment System Help

Create Contract : Header Data

Company Code 1000 Purchasing Group RMI
 Agreement Type ZRMK Purch. organization 1000

Vendor 200193 RUNGTA MINES LIMITED

Administrative Fields

Agreement Date 17.04.2020 Item Number Interval 10 Subitem Interv. 1
 Validity Start 17.04.2020 Validity End 30.04.2021 Language EN
 GR Message

Terms of Delivery and Payment

Payment terms Targ. Val. INR
 Payment in Days \$ Exch. Rate 1.00000 Ex.Rate Fx
 Payment in Days \$
 Payment in Days Net
 Inco. Version
 Incoterms
 Inco. Location1

Reference Data

Quotation Date Quotation
 Your Reference Salesperson
 Our Reference Telephone
 Goods Supplier Invoicing Party

Step-6: Click on Save

Contract Edit Header Item Environment System Help

Create Contract : Item Overview

Account Assignments

Agreement Agreement Type ZRMK Agmt Date 17.04.2020
 Vendor 200193 RUNGTA MINES LIMITED Currency INR

Outline Agreement Items

Item	I	A	Material	Short Text	Targ. Qty	O...	Net Price	Per	O...	Mat. Grp	Plnt	SLoc	D	Stock Segment	T...
10			MTX111016010002	IRON ORE;FINES FE (62 ...	80,000	TO	2,000.00	1	TO	1110					
20															
30															
40															
50															
60															
70															
80															
90															
100															
110															
120															
130															
140															
150															
160															

Contract Edit Header Item Environment System Help

Create Contract : Item Overview

Account Assignments

Agreement Agreement Type ZRMK Agmt Date 17.04.2020
 Vendor 200193 RUNGTA MINES LIMITED Currency INR

Outline Agreement Items

Item	I	A	Material	Short Text	Targ. Qty	O...	Net Price	Per	O...	Mat. Grp	Plnt	SLoc	D	Stock Segment	T...
10			MTX111016010002	IRON ORE;FINES FE (62 ...	80,000	TO	2,000.00	1	TO	1110					
20															
30															
40															
50															
60															
70															
80															
90															
100															
110															
120															
130															
140															
150															
160															

Save Document

No message record could be found for output of message.

Save anyway?

Yes No Cancel

Item 10

Quantity Contract created.

Outline Agreement Edit Header Item Environment System Help

Reference to PReq
 Reference to RFQ

Vendor

Agreement Type

Agreement Date

Agreement

Organizational Data

Purch. organization

Purchasing Group

Default Data for Items

Item Category

Acct Assignment Cat.

Plant

Storage location

Material Group

Dept. Code

Supplier Subrange

Acknowledgment Req'd

Quantity Contract created under the number 3000000006

SAP

1.8 Contract Release

a) Definition and Prerequisites

Contract needs to be released as per DOA

b) Menu Path and Transaction code

SAP S/4 HANA menu	SAP Menu > Logistics > Material Management > Purchasing > Outline Agreement > Contract > Release .
Transaction Code	ME35K

c) Responsibility

DOA Approvers

d) Screen capture/ Process

Step-1: Enter the release code assigned to approver for first level release

Release (Approve) Purchasing Documents

Release Code: 07

Release Group: to

Set Release

Cancel Release

Release Prerequisite Fulfilled

List with Items

Scope of List: RAHM

Purchasing Document Category: K to

Purchasing Organization: to

Document Number: to

Document Type: to

Purchasing Group: to

Supplier: to

Supplying Plant: to

Document Date: to

Step 2: Select the agreement that needs to be released and click on the release button

Release Purchasing Documents with Release Code 07

Release | Cancel Release | Release Strat. | Release + Save | Print Preview | Individual Release

Contract	Type	Supplier	Name	PGp	Agmt	Date
3000000002	ZRMK	300010	BRIZO GLOBAL LOGISTICS PV XYZ	RM1	10.04.2020	
Release Strategy Release Indicator Release Option						
Agreement Start10.04.2020 Agreement End 30.04.2021						
RG/Y8 DOPO > 5 Cr. B Blocked, changeable wRelease possible						
3000000006	ZRMK	200193	RUNGTA MINES LIMITED	RM1	17.04.2020	
Agreement Start17.04.2020 Agreement End 30.04.2021						
RG/Y8 DOPO > 5 Cr. B Blocked, changeable wRelease possible						
3400000004	ZSER	300011	FLYJAC LOGISTICS PVT. LTD	S01	07.04.2020	
Agreement Start07.04.2020 Agreement End 30.04.2020						
Tgt Value 1,000,000.00 INR Open 1,000,000.00 INR 100.00 %						
RG/Y7 DOPO <= 5 Cr. B Blocked, changeable wRelease possible						

Step 3: Click on save button

List Edit Goto Environment System Help



Release Purchasing Documents with Release Code 07

Release Cancel Release Release Strat. Release + Save Print Preview Individual Release

Contract	Type	Supplier	Name	PGp	Agmt	Date
3000000002	ZRMK	300010	BRIZO GLOBAL LOGISTICS FV XYZ	RMI	10.04.2020	
Release Strategy Release Indicator Release Option						
Agreement Start10.04.2020 Agreement End 30.04.2021						
RG/Y8 DOPO > 5 Cr. B Blocked, changeable wRelease possible						
3000000006	ZRMK	200193	RUNGTA MINES LIMITED	RMI	17.04.2020	
Agreement Start17.04.2020 Agreement End 30.04.2021						
RG/Y8 DOPO > 5 Cr. B Blocked, changeable wRelease Set						
3400000004	ZSER	300011	FLYJAC LOGISTICS PVT. LID	S01	07.04.2020	
Agreement Start07.04.2020 Agreement End 30.04.2020						
Tgt Value 1,000,000.00 INR Open 1,000,000.00 INR 100.00 %						
RG/Y7 DOPO <= 5 Cr. B Blocked, changeable wRelease possible						

Release effected with release code 07



Program Edit Goto System Help

Release (Approve) Purchasing Documents

Release Code

Release Group to

Set Release
 Cancel Release
 Release Prerequisite Fulfilled
 List with Items

Scope of List

Purchasing Document Category to

Purchasing Organization to

Document Number to

Document Type to

Purchasing Group to

Supplier to

Supplying Plant to

Document Date to

Releases saved

SAP

Step 4: Enter the release code assigned to approver for second level release

Release (Approve) Purchasing Documents

Release Code: 40

Release Group: to

Set Release
 Cancel Release
 Release Prerequisite Fulfilled
 List with Items

Scope of List: RAHM

Purchasing Document Category: R to

Purchasing Organization: to

Document Number: to

Document Type: to

Purchasing Group: to

Supplier: to

Supplying Plant: to

Document Date: to

Step 5: Select the agreement that needs to be released and click on the release button

Release Purchasing Documents with Release Code 40

Release Cancel Release Release Strat. Release + Save Print Preview Individual Release

Contract	Type	Supplier	Name	PGp	Agmt	Date
Release Strategy	Release Indicator	Release Option				
3000000006	ZRMK	200193	RUNGTA MINES LIMITED	RMI	17.04.2020	
Agreement Start			17.04.2020	Agreement End 30.04.2021		
RG/Y8 DOPO > 5 Cr.		B Blocked, changeable wRelease possible				

Step 6: Click on save button

List Edit Goto Environment System Help



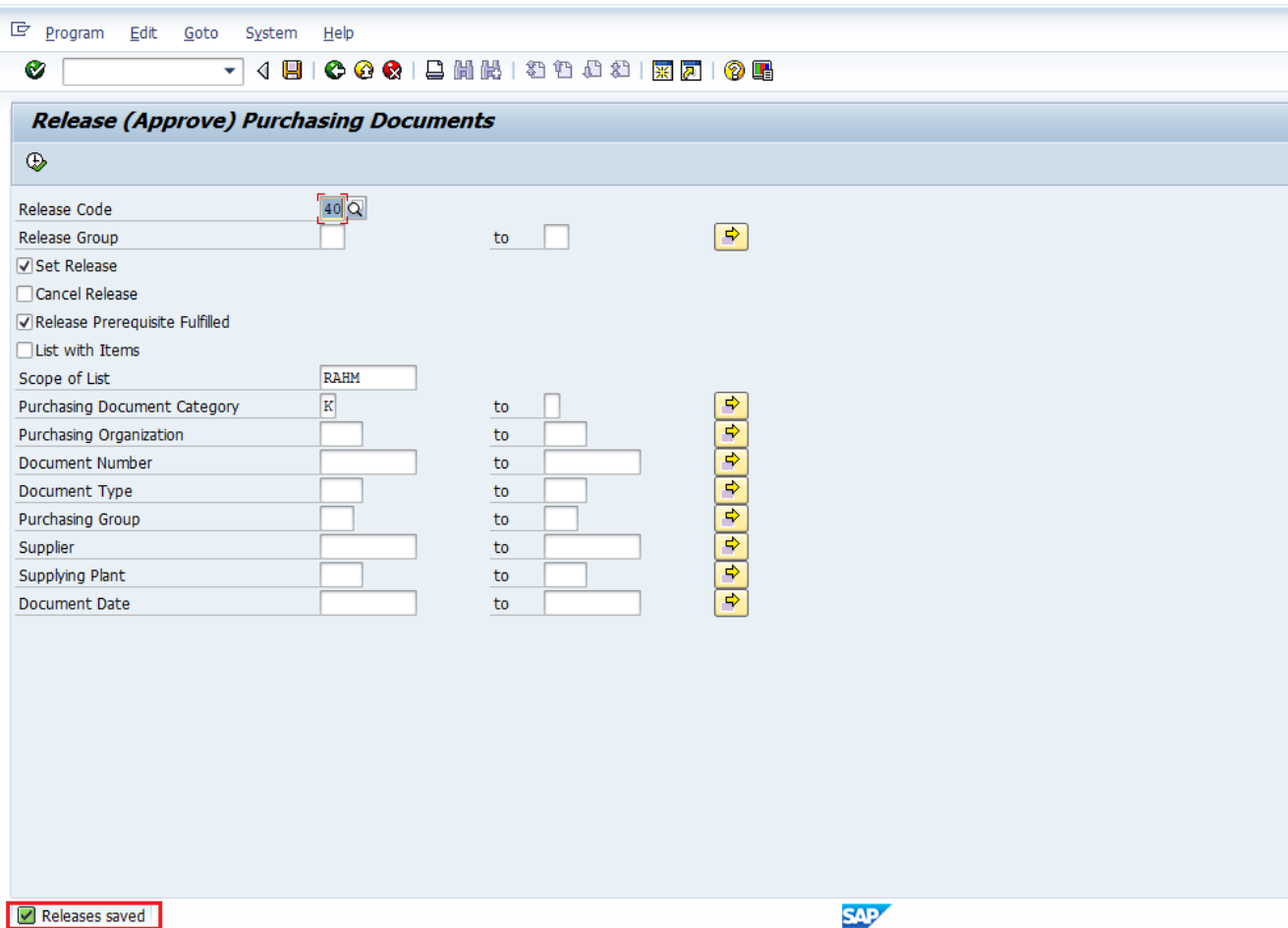
Release Purchasing Documents with Release Code 40

Release Cancel Release Release Strat. Release + Save Print Preview Individual Release

Contract	Type	Supplier	Name	PGp	Agmt Date
3000000006	ZRMK	200193	RUNGTA MINES LIMITED		RM1 17.04.2020
Agreement Start		17.04.2020	Agreement End	30.04.2021	
RG/Y8 DOPO > 5 Cr.		G Released	wRelease Set		

Release effected with release code 40





1.9 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	ZSTO_AUTO

c) Responsibility

Raw Material – GRN team

d) Screen capture/ Process

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

Program Edit Goto System Help

Automatic STO creation

Purchase order details:

Purchasing Document	6800000035	1. Enter the PO 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	6800000035
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	JSPX
PO number 6800000035	RR Chrg. Qty.	TO	Actual Chall. Qty.	TO
PO item 10	RR Quantity	TO	Prov. Chall. Qty.	TO
RR number	Rake Number	IOF/12		
RR date 12.04.2020	No. of Wagons			

Execution date: 17.04.2020 Execution Time: 13:18:59

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	JSPX
PO number 6800000035	RR Chrg. Qty.	TO	Actual Chall. Qty.	TO
PO item 10	RR Quantity	TO	Prov. Chall. Qty.	TO
RR number	Rake Number	IOF/12		
RR date 12.04.2020	No. of Wagons			

Execution date: 17.04.2020 Execution Time: 13:18:59

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 6800000035	RR Chrg. Qty. TO	JSEPX
PO item 10	RR Quantity TO	Actual Chall. Qty. 3900 TO
RR number	Rake Number IOF/12	Prov. Chall. Qty. TO
RR date 12.04.2020	No. of Wagons	

Execution date: 17.04.2020 Execution Time: 13:18:59

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

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

System Help

Create GRN STO

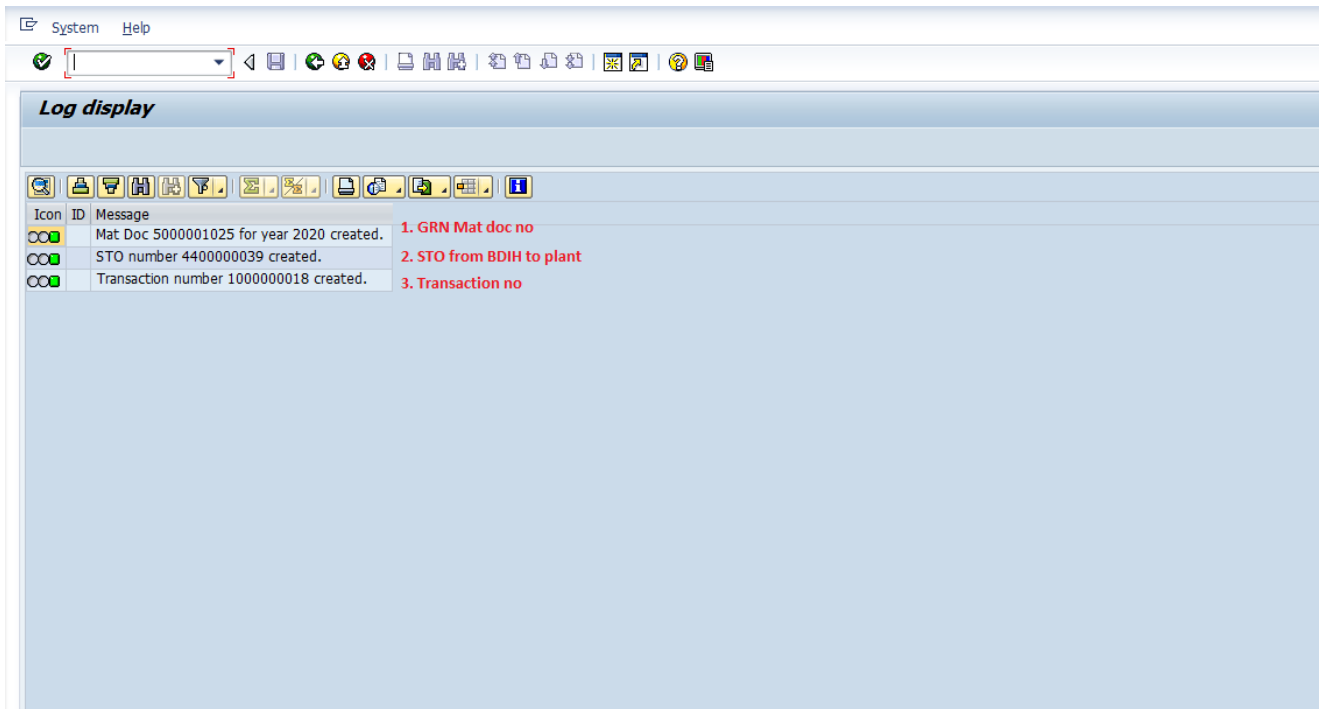
Rake information

Transaction ID	RR rate	Loading Siding
PO number 6800000035	RR Chrg. Qty. TO	JSEPX
PO item 10	RR Quantity TO	Actual Chall. Qty. 3900 TO
RR number	Rake Number IOF/12	Prov. Chall. Qty. TO
RR date 12.04.2020	No. of Wagons	

Execution date: 17.04.2020 Execution Time: 13:18:59

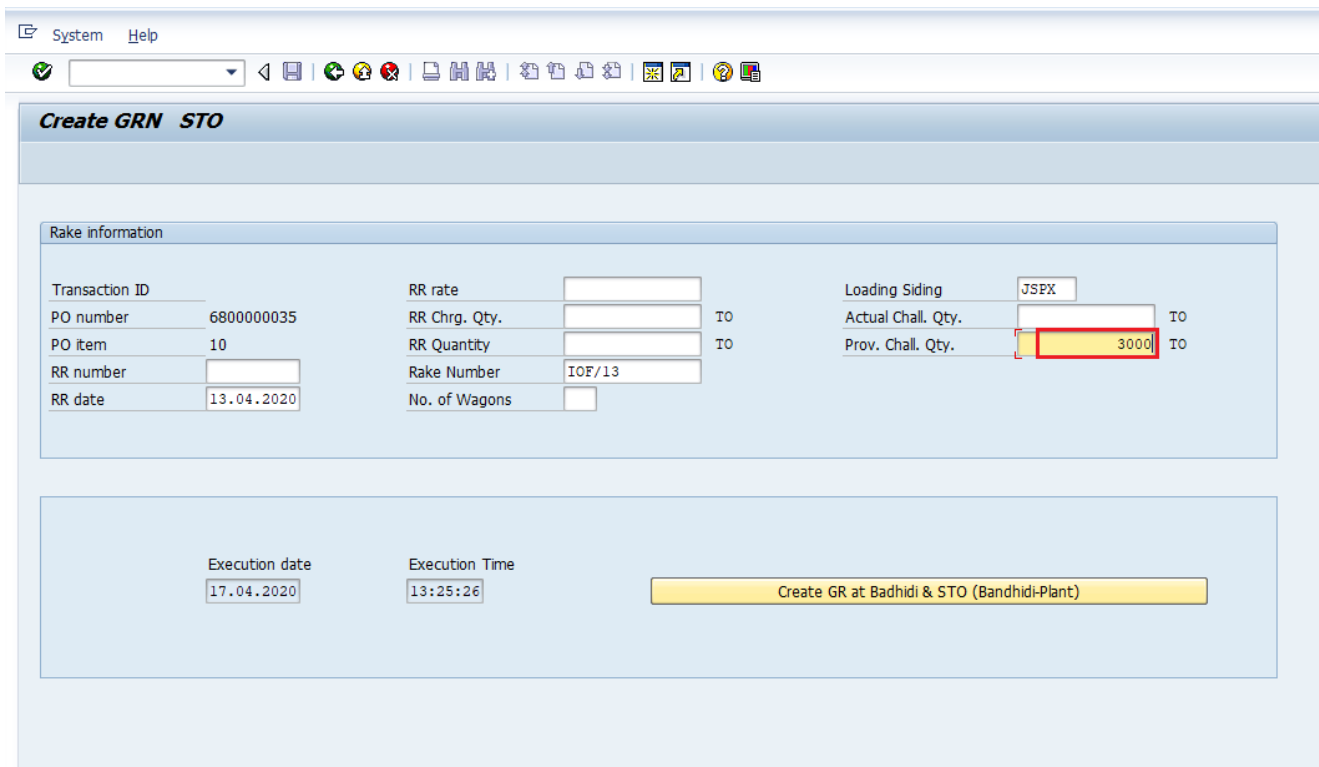
[Create GR at Badhidi & STO \(Bandhidi-Plant\)](#)

Material document posted



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)



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

System Help

Create GRN STO

Rake information

Transaction ID		RR rate	<input type="text"/>	Loading Siding	JSEX
PO number	6800000035	RR Chrg. Qty.	<input type="text"/> TO	Actual Chall. Qty.	<input type="text"/> TO
PO item	10	RR Quantity	<input type="text"/> TO	Prov. Chall. Qty.	<input type="text" value="3000"/> TO
RR number	<input type="text"/>	Rake Number	IOF/13		
RR date	13.04.2020	No. of Wagons	<input type="text"/>		

Execution date	Execution Time	
17.04.2020	13:25:26	<input type="button" value="Create GR at Badhidi & STO (Bandhidi-Plant)"/>

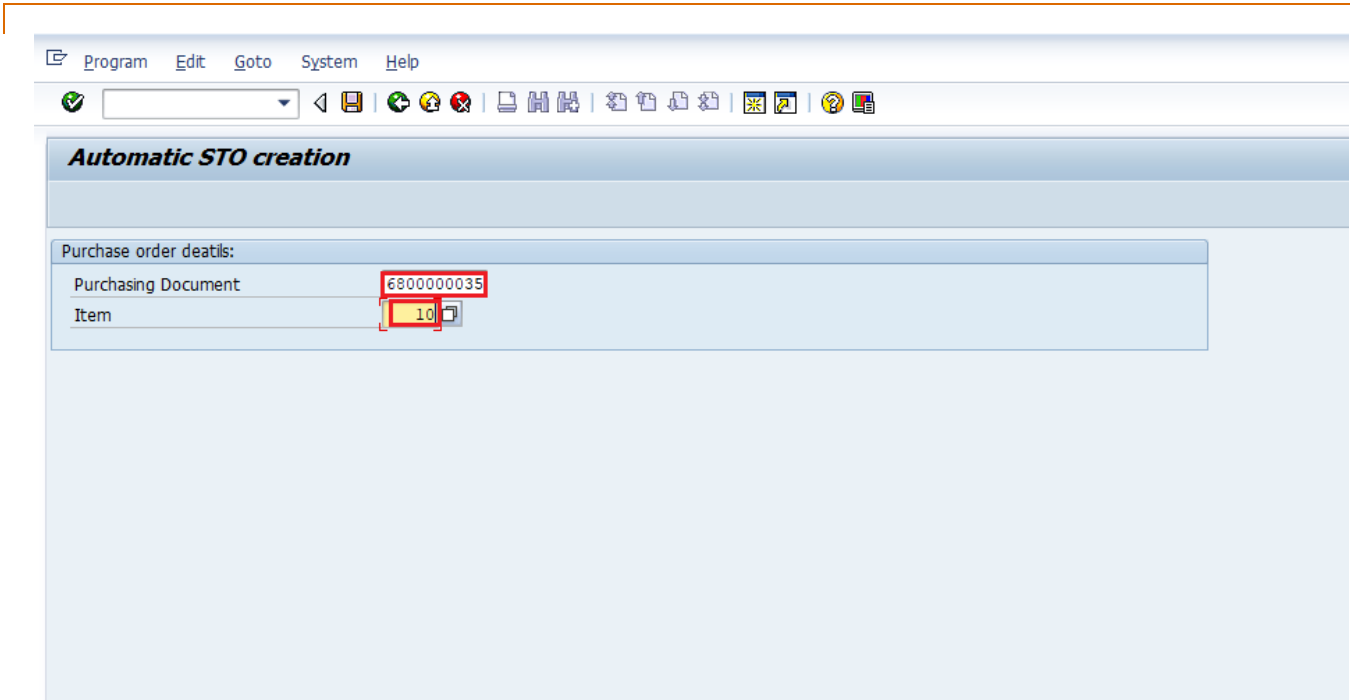
Material Document posted

System Help

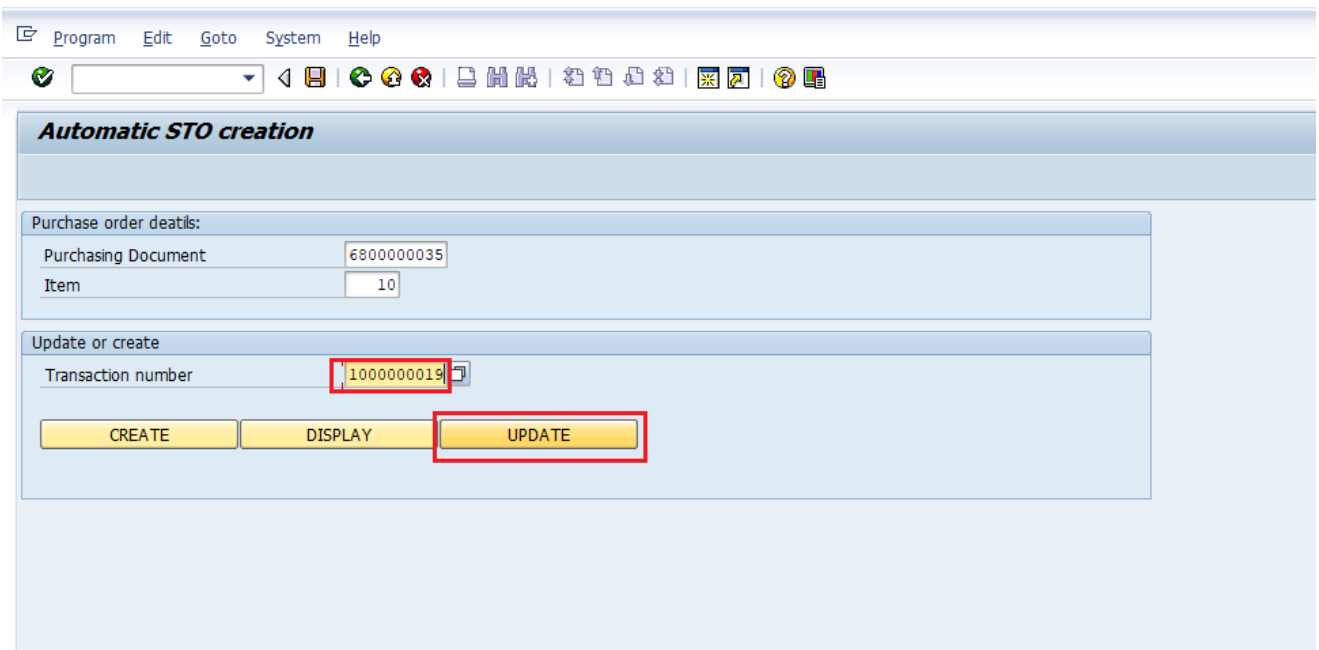
Log display

Icon	ID	Message	
		Mat Doc 5000001026 for year 2020 created.	1. GRN Mat doc no
		STO number 4400000040 created.	2. STO no from BDH to plant
		Transaction number 1000000019 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



Step 7: Enter the transaction no and click on update



Step 8: Enter the actual challan qty

System Help

Update details

Rake information					
Transaction ID	1000000019	RR rate	<input type="text"/>	Loading Siding	<input type="text"/>
PO number	6800000035	RR Chrg. Qty.	<input type="text"/>	Actual Chall. Qty.	3700
PO item	10	RR Quantity	<input type="text"/>	Prov. Chall. Qty.	3,000.000
RR number	<input type="text"/>	Rake Number	IOF/13		
RR date	13.04.2020	No. of Wagons	<input type="text"/>		

Provisional GR details:

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

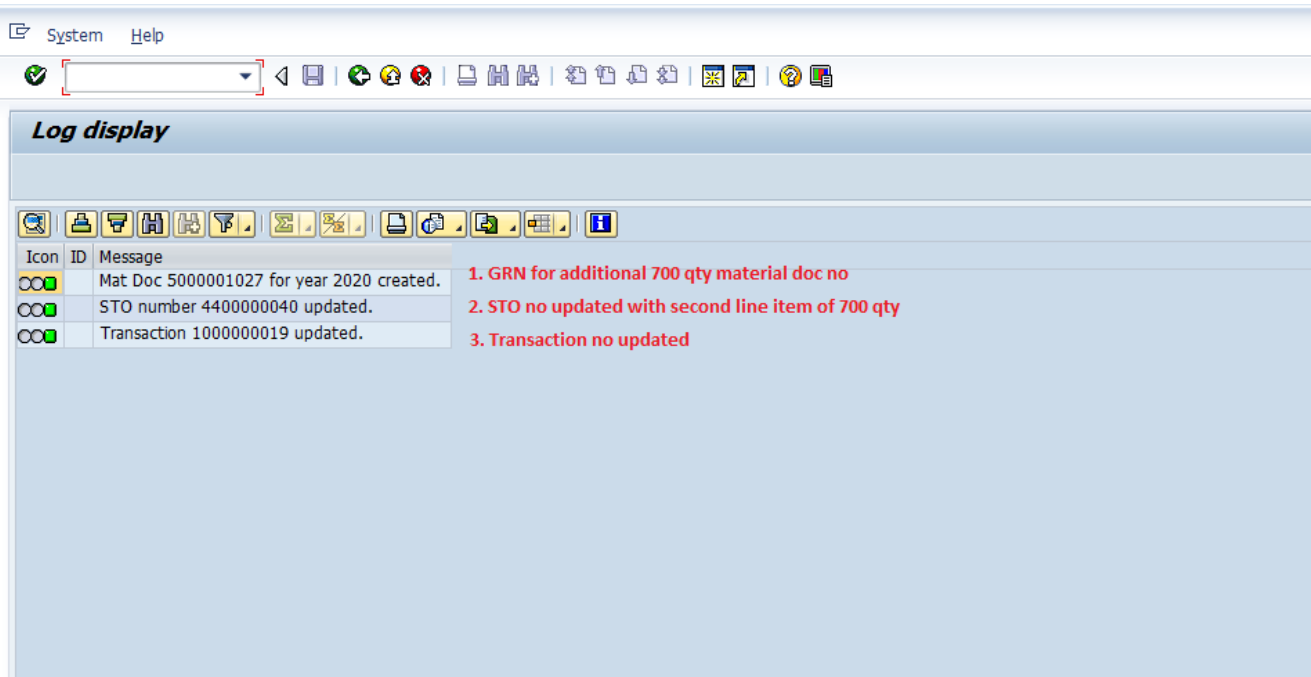
System Help

Update details

Rake information					
Transaction ID	1000000019	RR rate	<input type="text"/>	Loading Siding	<input type="text"/>
PO number	6800000035	RR Chrg. Qty.	<input type="text"/>	Actual Chall. Qty.	3700
PO item	10	RR Quantity	<input type="text"/>	Prov. Chall. Qty.	3,000.000
RR number	<input type="text"/>	Rake Number	IOF/13		
RR date	13.04.2020	No. of Wagons	<input type="text"/>		

Provisional GR details:

Material document posted



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

1.10 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.

1.11 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.

1.12 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

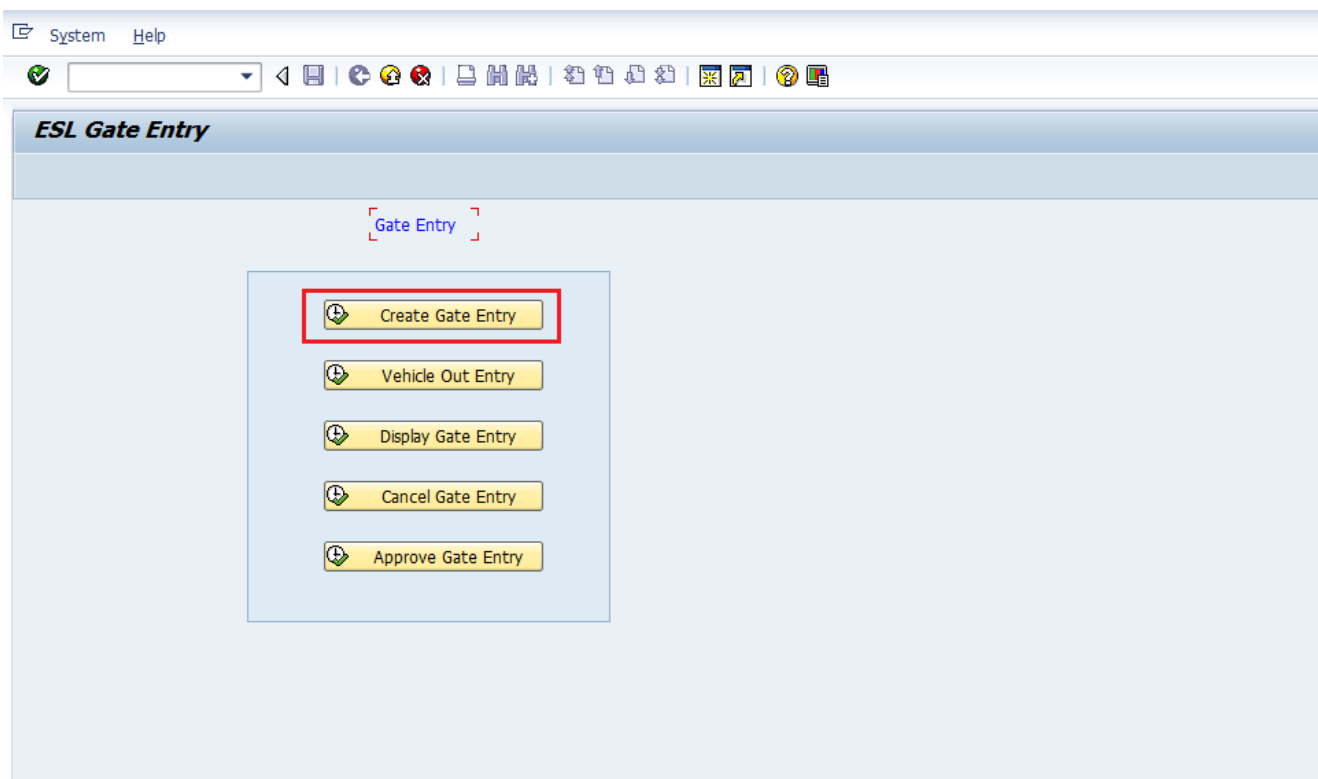
SAP S/4 HANA menu	N/A
Transaction Code	ZM023

c) Responsibility

Raw Material – GRN team

d) Screen capture/ Process

Step 1: Click on gate entry



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.

System Help

Gate Entry

SAVE

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

Challan No	556	Way Bill No		Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Mining Challan/TP No		Time of Entry	13:59:39
RR No.		Plant Gate No	1	Vendor Code	1000
RR Date		Plant WeighBridge No		Vendor Name	
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	JR09M6589	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Tax Invoice	no
		Rake No.	IOF/12	Decl Value in Way Bill	
		Rake Trip No.		Test Certificate	NO
				DFT Copy	no
				Guarantee Certificate	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

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

System Help

Gate Entry

SAVE

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

Challan No	556	Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Time of Entry	13:59:39
RR No.		Vendor Code	1000
RR Date		Vendor Name	ESL-Iron & Power
LR/BL No		Vehicle Unloading Date	
LR/BL Date		Vehicle Unloading Time	00:00:00
Bill of Entry No		Vehicle out Date	
Bill of Entry Date		Vehicle out Time	00:00:00
		Tax Invoice	NO
		Decl Value in Way Bill	
		Test Certificate	NO
		DFT Copy	NO
		Guarantee Certificate	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

Purchasing Document (1) 23 Entries found

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		
4400000039	F	ZSTB		
4400000040	F	ZSTB		

23 Entries found

Step 4: Press Enter to display the STO details

System Help

Gate Entry

SAVE

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

Challan No	556	Way Bill No		Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Mining Challan/TP No		Time of Entry	13:59:39
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	JH09M6589	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	IOF/12	Test Certificate	NO
		Rake Trip No.		Gurantee 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	4400000039		MTX111016010002	IRON ORE;FINES FE (62 PCT	3,900.000	TO	0.000	3,900.000	

Step 5: Enter the Challan qty

System Help

Gate Entry

SAVE

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

Challan No	556	Way Bill No		Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Mining Challan/TP No		Time of Entry	13:59:39
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	JH09M6589	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	IOF/12	Test Certificate	NO
		Rake Trip No.		Gurantee 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	4400000039	10	MTX111016010002	IRON ORE;FINES FE (62 PCT	3,900.000	TO	0.000	3,900.000	3900

Step 6: Click on save button

System Help

Gate Entry

SAVE

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

Challan No	556	Way Bill No		Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Mining Challan/TP No		Time of Entry	13:59:39
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	JR09M6589	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	IOF/12	Test Certificate	NO
		Rake Trip No.		Gurantee 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	4400000039	10	MIX111016010002	IRON ORE;FINES FE (62 PCT	3,900.000	TO	0.000	3,900.000	3900

Gate Entry number generated

System Help

Gate Entry

SAVE

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

Challan No	556	Way Bill No		Gate Entry Date	17.04.2020
Challan Date	17.04.2020	Mining Challan/TP No		Time of Entry	13:59:39
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	JR09M6589	Vehicle out Date	
Bill of Entry Date		Container No		Vehicle out Time	00:00:00
		Vessel Name		Decl Value in Way Bill	
		Rake No.	IOF/12	Test Certificate	NO
		Rake Trip No.		Gurantee Certificate	NO
				Tax Invoice	NO
				DFT Copy	NO

Transporter Code: Transporter Name: Invoice: Invoice Date:

ADD

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	4400000039	10	MIX111016010002	IRON ORE;FINES FE (62 PCT	3,900.000	TO	0.000	3,900.000	3900

Information

Gate Entry No. 202000205

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

1.13 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

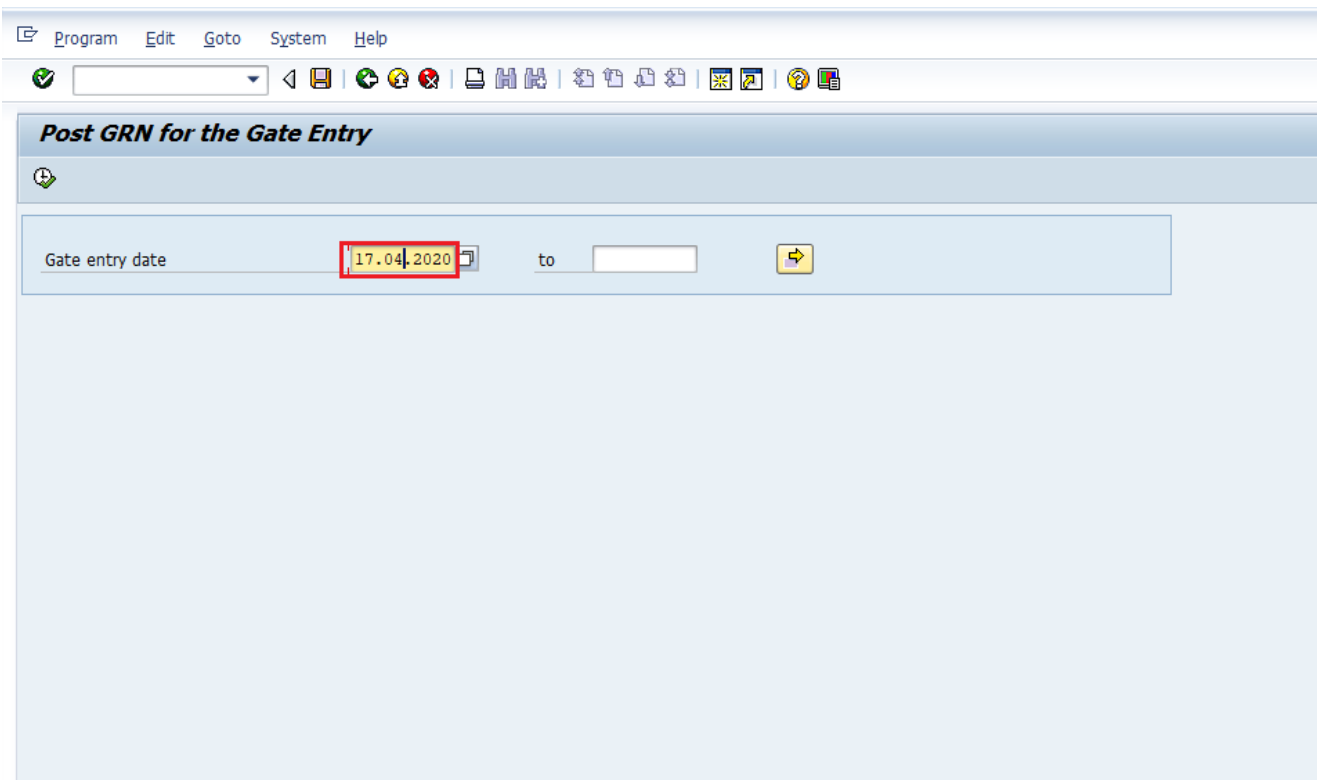
SSAP S/4 HANA menu	N/A
Transaction Code	ZGRN_AUTO

c) Responsibility

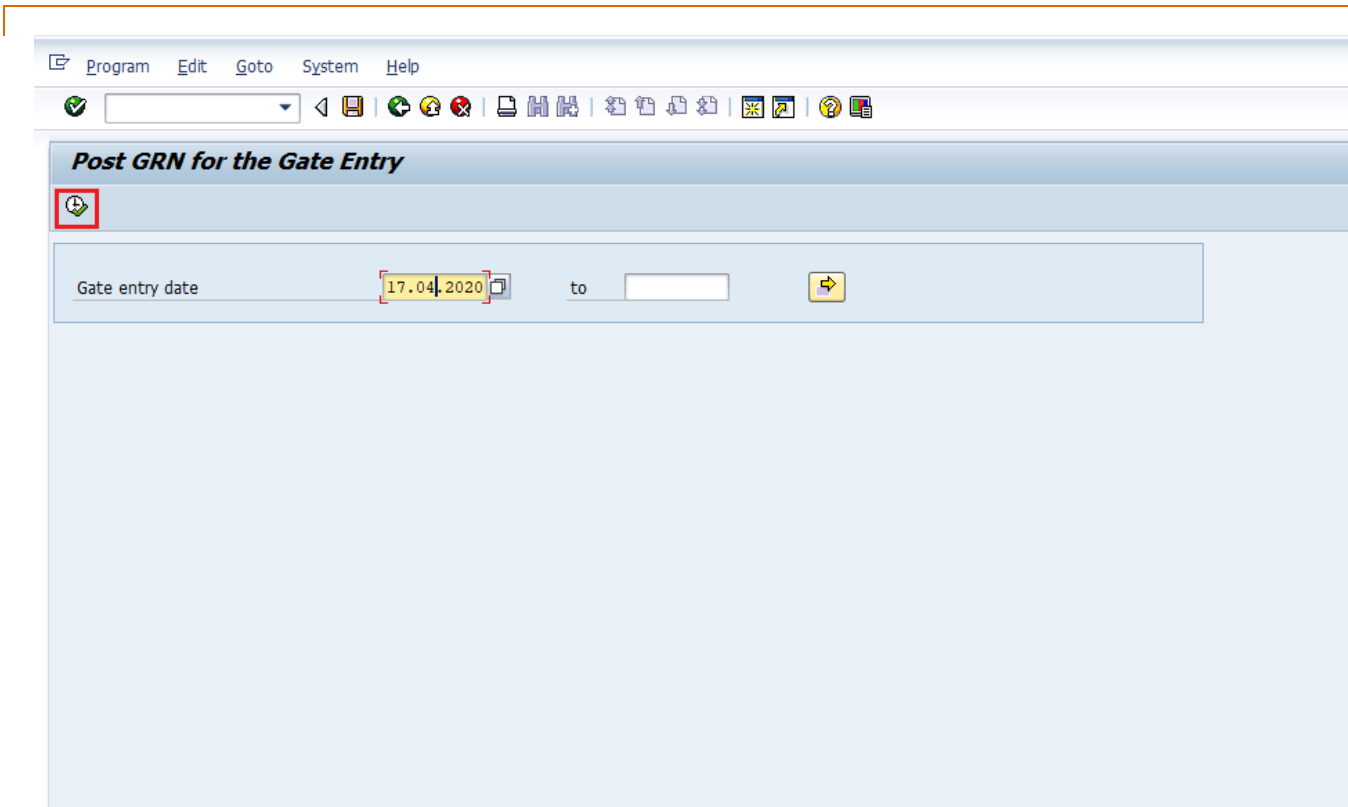
Raw Material – GRN team

d) Screen capture/ Process

Step 1: Enter the gate entry date



Step 2: Click on execute



Material document posted

1.14 Heap Transfer

a) Definition and Prerequisites

Once GRN is done, batch to batch i.e. heap transfer will be done in system.

b) Menu Path and Transaction code

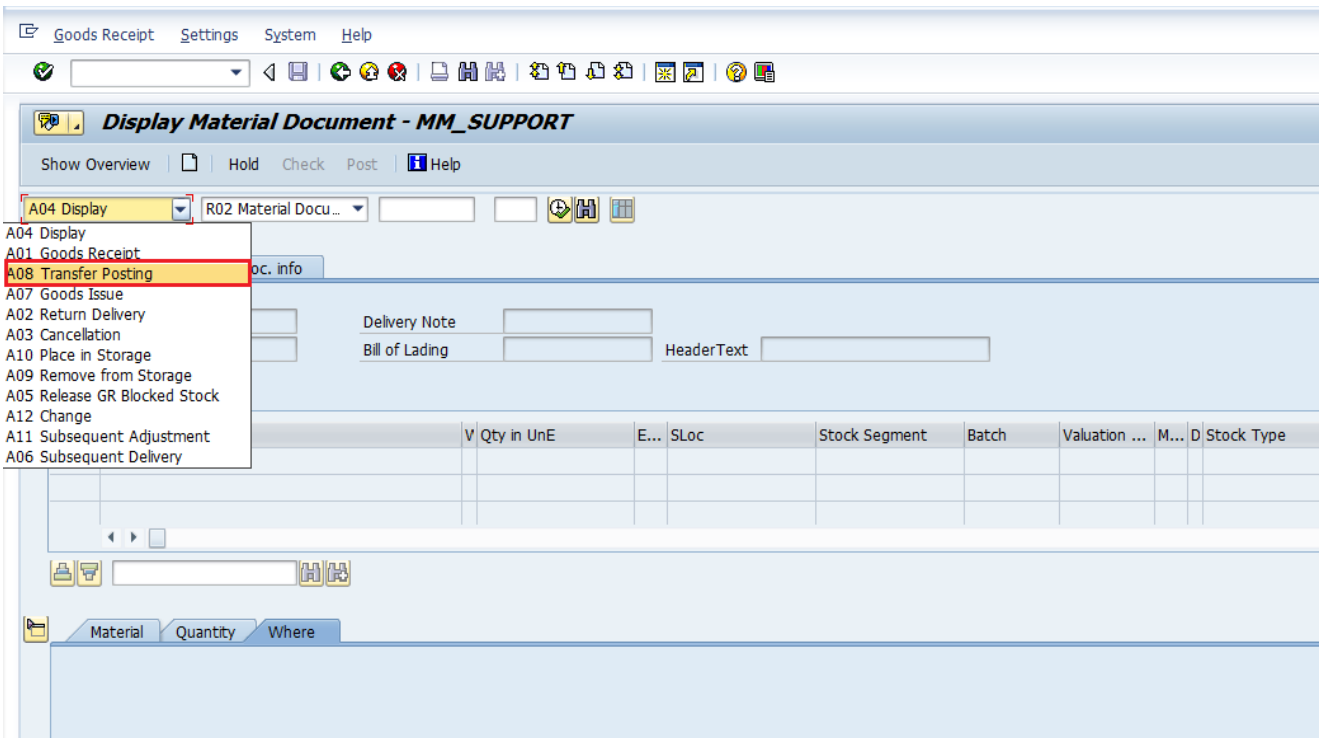
SAP S/4 HANA menu	SAP Menu ->Logistics > MM > Inventory Management > Goods Movement > MIGO
Transaction Code	MIGO

c) Responsibility

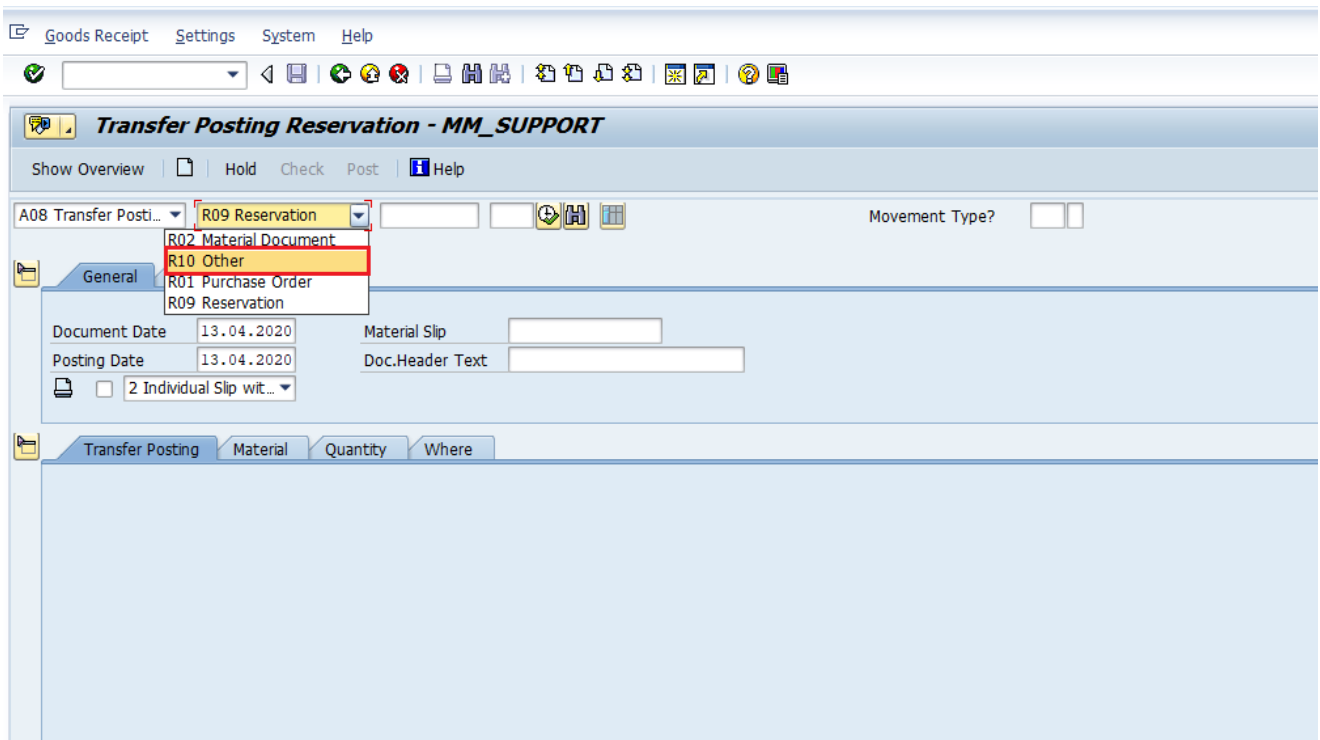
Department's User

d) Screen capture/ Process

Step 1: Select transfer posting



Step 2: Select other



Step 3: Enter mvmt type as 311. Press Enter

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 13.04.2020 | Material Slip |
 Posting Date 13.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where

From	Dest
Material	
Plant	
Stor. Loc.	
Spec.Stock	

Step 4: Enter Material and press enter

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip |
 Posting Date 17.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where

From	Dest
Material	
Plant	
Stor. Loc.	
Spec.Stock	

Qty in UnE

Step 5: Enter from plant, storage loc and dest stor. Loc. Press enter

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip |
 Posting Date 17.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where | Partner | Weight Information

From	Dest
Material: IRON ORE:FINES FE (62 PCT)	IRON ORE:FINES FE (62 PCT)
MTX111016010002	MTX111016010002
Plant: 1000	
Stor. Loc.: RMHS	RMHS
Spec.Stock	
Qty in UnE	

Step 6: Enter batch and valuation type in from and dest

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip |
 Posting Date 17.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where | Partner | Batch | Weight Information

From	Dest
Material: IRON ORE:FINES FE (62 PCT)	IRON ORE:FINES FE (62 PCT)
MTX111016010002	MTX111016010002
Plant: Iron & Power Unit-SBU 1000	Iron & Power Unit-SBU 1000
Stor. Loc.: RAW MAT H SYST... RMHS	RAW MAT H SYST... RMHS
Batch: DRU0003500	DRU0003501
Val. Type: DRU0003500	DRU0003500
Spec.Stock	
Qty in UnE	TO

Step 7: Enter quantity

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip
 Posting Date 17.04.2020 | Doc.Header Text
 2 Individual Slip wit...

Transfer Posting | Material | **Quantity** | Where | Partner | Batch | Weight Information

Qty in Unit of Entry 1000 TO
 Qty in SKU 0 TO

No. Containers

Step 8: Enter material slip and doc header text if required

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip
 Posting Date 17.04.2020 | Doc.Header Text
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where | Partner | Batch | Weight Information

Qty in Unit of Entry 1000 TO
 Qty in SKU 0 TO

No. Containers

Step 9: Click on check if the document is OK.

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | **Check** | Post | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip |
 Posting Date 17.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where | Partner | Batch | Weight Information

From		Dest	
Material	IRON ORE;FINES FE (62 PCT)	IRON ORE;FINES FE (62 PCT)	
	MTX111016010002	MTX111016010002	
Plant	Iron & Power Unit-SBU 1000	Iron & Power Unit-SBU 1000	
Stor. Loc.	RAW MAT H SYST... RMHS	RAW MAT H SYST... RMHS	
Batch	DRU0003500	DRU0003501	
Val. Type	DRU0003500	DRU0003500	
Spec.Stock	<input type="checkbox"/>		

Qty in UnE 1,000 TO

Document is O.K. | SAP | ESQ (1)

Step 10: Click on post

Goods Receipt Settings System Help

Transfer Posting Other - MM_SUPPORT

Show Overview | Hold | Check | **Post** | Help

A08 Transfer Posti... | R10 Other | TF trfr within plant 311

General

Document Date 17.04.2020 | Material Slip |
 Posting Date 17.04.2020 | Doc.Header Text |
 2 Individual Slip wit...

Transfer Posting | Material | Quantity | Where | Partner | Batch | Weight Information

From		Dest	
Material	IRON ORE;FINES FE (62 PCT)	IRON ORE;FINES FE (62 PCT)	
	MTX111016010002	MTX111016010002	
Plant	Iron & Power Unit-SBU 1000	Iron & Power Unit-SBU 1000	
Stor. Loc.	RAW MAT H SYST... RMHS	RAW MAT H SYST... RMHS	
Batch	DRU0003500	DRU0003501	
Val. Type	DRU0003500	DRU0003500	
Spec.Stock	<input type="checkbox"/>		

Qty in UnE 1,000 TO

Document is O.K. | SAP | ESQ (1)

Material document posted

1.15 Invoice Receipt

a) Definition and Prerequisites

Once the GRN is done and bill is handed over, invoice receipt is done.

b) Menu Path and Transaction code

SAP S/4 HANA menu	SAP Menu ->Logistics > MM >Logistic Invoice verification > document entry > MIRO
Transaction Code	MIRO

c) Responsibility

Finance Department

d) Screen capture/ Process

Please refer to the Manual of Invoice Receipt.