



Production Planning End User Manual



accenture
High performance. Delivered.

Production Planning End User Manual



Process order Execution

last modified on Jul 12, 2024



Production Planning End User Manual



accenture
High performance. Delivered.

Table of Contents

1. Process order Execution –

1.1 Process order Execution	
-----------------------------------	--



Production Planning End User Manual



accenture
High performance. Delivered.

Objective –

This document will explain Process order Execution of OCM Non-Mechanized (ROM) in Production Planning (PP).

Prerequisites-

Authorizations must be available in SAP.

PP Master Data.

Process -

Transaction code - COR1 - Process Order Creation

Create Process Order with COR1 T-code and enter below highlighted fields and press enter.

The screenshot displays the SAP 'Create Process Order: Initial Screen'. The title bar includes 'Process Order', 'Edit', 'Goto', 'Header', 'Environment', 'System', and 'Help'. Below the title bar is a toolbar with various icons. The main area contains the following fields and labels:

- Material Number**: 1020000000011 (highlighted in yellow)
- Production Plant**: 4068 (highlighted in yellow)
- Planning Plant**: (empty)
- Process Order Type**: ZOCN (highlighted in yellow)
- Process Order**: (empty)

Labels to the right of the fields include 'Dalurband OC' and 'Opencast Semi-Mechanized Mining'. At the bottom, there is a 'Copy from' section with a 'Process Order' field and a copy icon.



Production Planning End User Manual



accenture
High performance. Delivered.

Enter the below highlighted values and press enter.

Process Order Edit Goto Header System Help

Create Process Order: Header - General Data

Material 1020000000011 Run of Mines (Non Coking) Plant 4068 Type ZOCN

Status

General Data Assignment Goods Recpt Control Dates/Times MasterData Administr. Items

Quantities

Total Qty 700 TE Short/Exc. Rec. 0

Scrap 0.00 \$

Delivered 0

Dates/Times

Basic Dates Scheduled Confirmed

End 30.05.2021 24:00:00 00:00:00 00:00:00

Start 05.05.2021 00:00:00 00:00:00 00:00:00

Release

Scheduling

Type Only capacity requ... Reduction No scheduling note Note Priority

Floats

Sched. Margin Key 000 Float Before Prodn Workdays Float After Prdn Workdays Release Period Workdays

Select the appropriate Production version and press choose button.

Process Order Edit Goto Header System Help

Create Process Order: Header - General Data

Material 1020000000011 Run of Mines (Non Coking) Plant 4068 Type ZOCN

Status

General Data Assignment Goods Recpt Control

Quantities

Total Qty 700 TE Short/Exc. Rec. 0

Scrap 0.00 \$

Delivered 0

Dates/Times

Basic Dates Scheduled Confirmed

End 30.05.2021 24:00:00 00:00:00 00:00:00

Start 05.05.2021 00:00:00 00:00:00 00:00:00

Release

Scheduling

Type Only capacity requ... Reduction No scheduling note Note Priority

Floats

Sched. Margin Key 000 Float Before Prodn Workdays Float After Prdn Workdays Release Period Workdays

Select Production Version for Material 1020000000011 Plant 4068

Product...	Plant	Valid from	Valid to	From lot size	To lot size
PV02	4068	04.05.2021	31.12.9999	1.000	99,999
PV03	4068	04.05.2021	31.12.9999	1.000	99,999

Choose Versions: overview Order



Production Planning End User Manual



accenture
High performance. Delivered.

Enter Appropriate Batch and press enter and then save.

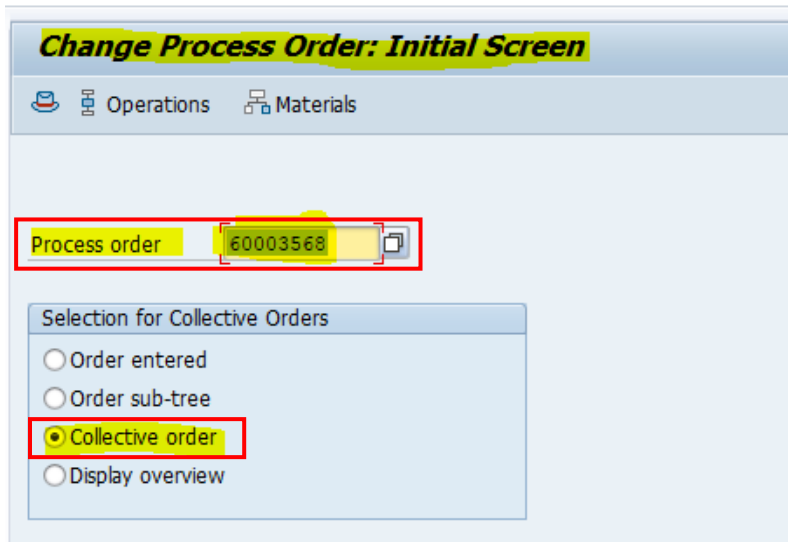
The screenshot shows the SAP 'Create Process Order: Header - General Data' screen. The 'Control' tab is active. In the 'Control' section, 'Stock Type' is set to 'Unrestricted use' and 'GR ProcessTime' is set to 'Workdays'. In the 'Receipt' section, 'Storage Loc.' is 'U003' and 'Batch' is 'G103118022'. The 'Inbound Delivery' section is also visible. The SAP logo is at the bottom right.

Process Order Created as shown below success message.

The screenshot shows the SAP 'Create Process Order: Initial Screen'. The 'Material Number' is '1020000000011', 'Production Plant' is '4068', 'Planning Plant' is empty, 'Process Order Type' is 'ZOCN', and 'Process Order' is empty. The 'Copy from' section shows 'Process Order' is empty. At the bottom, a success message is displayed: 'Process order 60003568 created'. The SAP logo is at the bottom right.

Now Go to T-code - COR2 - Change Process Order

Enter highlighted fields and press enter.



Change Process Order: Initial Screen

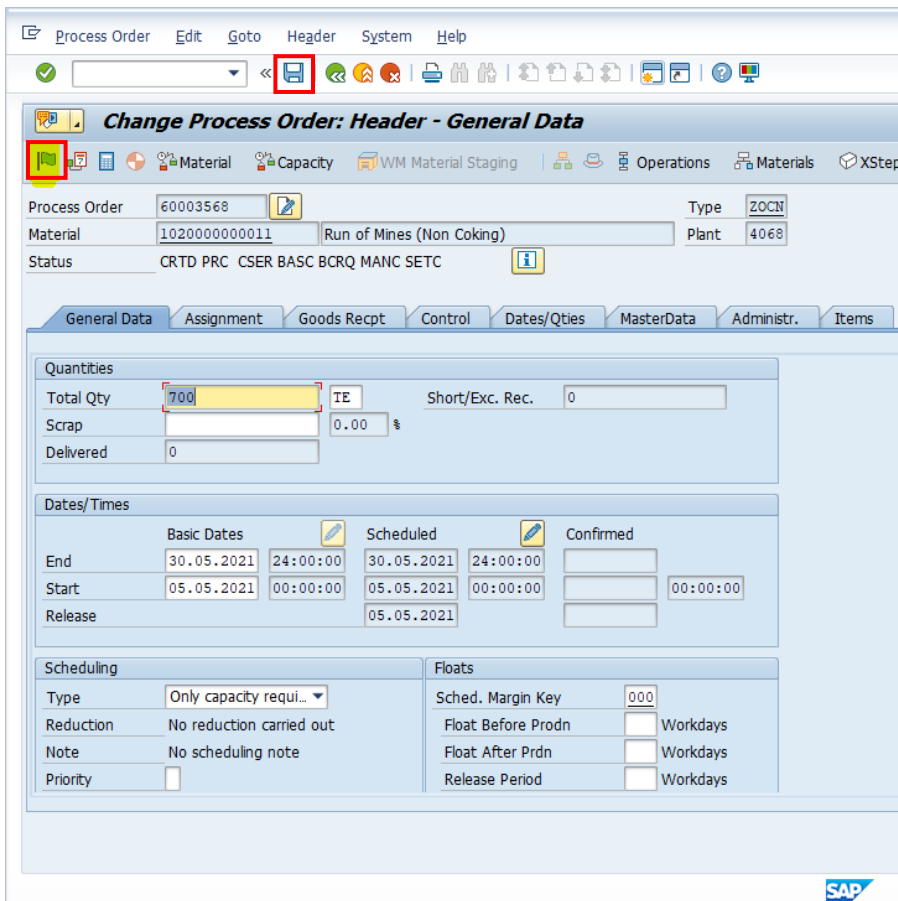
Operations Materials

Process order 60003568

Selection for Collective Orders

- ☐ Order entered
- ☐ Order sub-tree
- ☒ Collective order
- ☐ Display overview

Press the flag button (release button) to release the process order and save the process order.



Process Order 60003568 Type ZOCN

Material 1020000000011 Run of Mines (Non Coking) Plant 4068

Status CRTD PRC CSER BASC BCRQ MANC SETC

General Data Assignment Goods Recpt Control Dates/Qties MasterData Administr. Items

Quantities

Total Qty 700 TE Short/Exc. Rec. 0

Scrap 0.00 %

Delivered 0

Dates/Times

Basic Dates Scheduled Confirmed

End 30.05.2021 24:00:00 30.05.2021 24:00:00

Start 05.05.2021 00:00:00 05.05.2021 00:00:00 00:00:00

Release 05.05.2021

Scheduling

Type Only capacity requi... Reduction No reduction carried out Note No scheduling note Priority

Floats

Sched. Margin Key 000 Float Before Prodn Workdays Float After Prdn Workdays Release Period Workdays



Production Planning End User Manual



accenture
High performance. Delivered.

After clicking the release button status will from ctrd to rel as shown below and control recipe generated success message will be displayed.

The screenshot shows the SAP 'Change Process Order: Header - General Data' window. The 'Status' field is highlighted in yellow and contains the text 'REL CRCR PRC CSER BASC BCRQ MANC ORRQ*'. The 'Process Order' field is '60003568' and the 'Material' field is '1020000000011'. The 'Plant' field is '4068'. The 'Type' field is 'ZOCN'. The 'Run of Mines (Non Coking)' checkbox is checked. The 'Quantities' section shows 'Total Qty' as '700', 'Scrap' as '0', and 'Delivered' as '0'. The 'Dates/Times' section shows 'End' as '30.05.2021 24:00:00', 'Start' as '05.05.2021 00:00:00', and 'Release' as '05.05.2021 00:00:00'. The 'Scheduling' section shows 'Type' as 'Only capacity requi...', 'Reduction' as 'No reduction carried out', 'Note' as 'No scheduling note', and 'Priority' as '1'. The 'Floats' section shows 'Sched. Margin Key' as '000', 'Float Before Prodn' as 'Workdays', 'Float After Prodn' as 'Workdays', and 'Release Period' as 'Workdays'. A message bar at the bottom states: 'Control instr./recipe(s) generated but warning messages exist (See log)'.

Transaction Code - CO53 - Control Recipe Monitor

Press display button

The screenshot shows the SAP 'Control Recipe Monitor: Initial Screen' window. The 'Plant' field is '4068'. The 'Selection Criteria for Creation Period' section shows 'Creation Date' from '05.05.2021 00:00:00' to '05.05.2021 24:00:00'. The 'Information on Productive Control Recipes' section shows a table with columns for status and count:

Status	Count
Created, Sent	5
Executed	0
Terminated, Discarded	0

The 'Additional Selection Criteria' section shows 'Destination Address' and 'Process Order' as '60003568'. The 'Status' section has checkboxes for 'Created', 'Sent', 'Executed', 'Terminated', and 'Discarded', all of which are checked. The 'Mode' section has radio buttons for 'No Test', 'Test', and 'All', with 'No Test' selected. A 'Display' button is highlighted in yellow at the bottom.



Production Planning End User Manual



accenture
High performance. Delivered.

Select All the rows and press send button.

Control Recipe Monitor: Overview

Log Send

Plant: 4068
Process Order: 000060003568
Status: Created Sent Executed Terminated Discarded

Selected control Recipes: 3

Exce...	Control recipe	Process order	CRD	Destination Address	Status	Test	Created On	Created at
	100000000000018508	60003568	DB	PRODUCTION MINE- DRILL BL...	Created	☐	05.05.2021	16:30:07
	100000000000018509	60003568	LH	PRODUCTION MINE- LOAD HA...	Created	☐	05.05.2021	16:30:07
	100000000000018510	60003568	SI	PRODUCTION MINE- SHIFT IN...	Created	☐	05.05.2021	16:30:07

After Clicking send success message will be displayed as shown below.

List Edit Goto Settings Utilities(M) Environment System

Control Recipe Monitor: Overview

Log Send

Plant: 4068
Process Order: 000060003568
Status: Created Sent Executed Terminated Discarded

Selected control Recipes: 3

Exce...	Control recipe	Process order	CRD	Destination Address
	100000000000018508	60003568	DB	PRODUCTION MINE- DRILL BL...
	100000000000018509	60003568	LH	PRODUCTION MINE- LOAD HA...
	100000000000018510	60003568	SI	PRODUCTION MINE- SHIFT IN...

☒ The control recipe download was carried out. Check the log



Production Planning End User Manual



accenture
High performance. Delivered.

Transaction Code- CO60 - PI Sheet.

Go to co60 t-code and enter plant and process order and then press execute button.

The screenshot shows the 'Find PI Sheet' dialog box in SAP. The 'Plant' field is set to '4068'. The 'Process order' field is set to '60003568'. The 'Max. number of PI sheets' is set to '500'. The 'Mode' section has 'No Test' selected. The 'Status' section has 'New', 'In Process', 'To Be Completed', 'Terminated', 'Discarded', 'Completed', and 'Archived (EBR)' all checked. The 'Planned for the next' field is set to 'Hours'. The 'Process order' field is set to '60003568'.

Fill the PI sheet as per the sequence , select pi sheet and then click edit pi sheet button.

The screenshot shows the 'Find PI Sheet' table in SAP. The table has columns: Process order, Processor Group, Erl. start, Status, M... (Material), Material number, Material description, and Batch. The table contains three rows of data.

Process order	Processor Group	Erl. start	Status	M...	Material number	Material description	Batch
60003568	PRODUCTION MINE- DRILL BLAST	05.05.2021	New	1020000000011	1020000000011	Run of Mines (Non Coking)	G044068
60003568	PRODUCTION MINE- LOAD HAUL	05.05.2021	New	1020000000011	1020000000011	Run of Mines (Non Coking)	G044068
60003568	PRODUCTION MINE- SHIFT INCHARGE	05.05.2021	New	1020000000011	1020000000011	Run of Mines (Non Coking)	G044068



Production Planning End User Manual



accenture
High performance. Delivered.

Enter the correct data in pi sheet .

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

Phase0060

Work Instructions

PROCESS ORDER: 60003568
PLANT: 4068
MATERIAL: 1020000000011
OPERATION: 0060
COAL GRADE: G044068601
PRODUCTION START DATE: 05.05.2021
PRODUCTION DATE: 05.05.2021
CONFIRMATION COUNTER:

DRILLING INFORMATION

PRODUCTION DATE	SHIFT/RELAY	Line No	LOCATION	RESOURCE_DRILL	DRILL_OPERATOR	HELPER NAME	OPERATING TIME	BREAKDOWN TIME	HOLES DRILLED	AVG. METERS DRI
05.05.2021	SF3A	1.0	QUARRY1 OS BNCH	605624	SANDEEP	697667	100 mi	0 min	30	4.000 m
		2.0								

After entry of the data in pi sheet select send option and then click send to database button.

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

Loading-Hauling Information

RESOURCE_EXCAVATOR	RESOURCE_DUMPER	DUMPER OPERATOR	OPERATING TIME	BREAKDOWN TIME	NO. OF TRIPS	CALCULATE HAULAGE	DUMPER FACTOR	OB
2518	1363	597872	50 min	0 min	4	CALCULATE HAULAGE	10.0000	40
						CALCULATE HAULAGE		0.0

Other Related Information

PRODUCTION DATE	SHIFT/RELAY	Line No	REASONS: LOSS OF PRODUCTION	RAINFALL DATA	TEMPERATURE	TIME OF ACCIDENT	ACCIDENT TYPE	PLACE OF ACCIDENT	CAUSE OF ACCIDENT	TYP
			NA	0.00 m	0	00:00:00	NA	NA	NA	NA

SELECT OPTION **SEND** **SEND TO DATABASE**

MESSAGE_DRILL: 1 Records Saved Successfully
MESSAGE_LOAD: 1 Records Saved Successfully
MESSAGE_LOAD_HAUL: 1 Records Saved Successfully
MESSAGE_MISC: 0 Records Saved Successfully

Data will be then saved to data as shown above successfully.

After sending the data in database press exit button, and then select another pi sheet for data entry as applicable.



Production Planning End User Manual



accenture
High performance. Delivered.

Enter the data in Second Pi sheet, and press save button.

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

Phase0040

Work Instructions

PROCESS ORDER 60003568
PLANT 4068
MATERIAL 1020000000011
OPERATION 0040
ORDER START DATE 05.05.2021
BLASTING_DATE* 05.05.2021
BLASTING_SHIFT* SF3A

BLASTING_SHIFT	DRILLING DATE	LINE NO.	RECALL	STOCK_HOLES	HOLES_CHARGED	HOLES_BLASTED	HOLES_DAMAGED	BLAST_LABOUR	DAMAGE_REASON	SAVE	EXCEP
SF3A	05.05.2021	1	RECALL	0030	30	28	1	30	NA	SAVE	Data S

Data will be then saved to data as shown above successfully.

After sending the data in database press exit button, and then select another pi sheet for data entry as applicable.

Now Enter the data in third pi sheet, select recall and press recall/ refresh button .

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

Phase0080

Work Instructions

PROCESS ORDER 60003568
PLANT 4068
MATERIAL 1020000000011
OPERATION 0080
COAL GRADE G044068601
PRODUCTION DATE* 05.05.2021
SHIFT/RELAY* SF3A
SELECT OPERATION* RECALL

RECALLREFRESH

DRILLING INFO- (Read Only)

LOCATION	RESOURCE_DRILL	OPERATOR NAME	HELPER NAME	OPERATING TIME	HOLES DRILLED	METERS DRILLED	POWER_KWH
QUARRY1 OS BNCH	605624	SANDEEP	697667	100 min	30	4.000 m	16.670 KW.h



Production Planning End User Manual



accenture
High performance. Delivered.

Now after data entry select 'S' - simulation mode and run by clicking simulate/confirm PO button

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

MISCELLANEOUS INFO (Read Only)

REASONS OF PRODUCTION LOSS	RAINFALL DATA	TEMPERATURE	TIME OF ACCIDENT	ACCIDENT TYPE	PLACE OF ACCIDENT	CAUSE OF ACCIDENT	TYPE OF EMPLOYMENT	AGE OF VICTIM

Summarized Data- TOTAL

COAL PRODUCED	SCRAP QTY.	POWER CONSUMED	DRILLING TIME	LOADING TIME	HAULING TIME	BLAST LABOUR
40.000 te	0.000 te	26.670 kW.h	1.667 hrs	1.000 hrs	0.833 hrs	3 Pt

Confirmation Entry

SIMULATION MODE	SIMULATE/CONFIRM PO	TOTAL YIELD	LABOUR_MINE	POWER_MINE	FUEL_MINE	MACHINE_MINE	OH_MINE_COAL	OUTPUT MESSAGE
S	SIMULATE/CONFIRM PO	40.000 te	64.0000	26.6700	0.0000	3.5000	40.0000	Simulation carried out Success

Now if simulation is successful then select 'X' as simulation for confirmation.

Process Manufacturing Cockpit ACCNHB7862

PI Sheet-Change
Process Order:60003568 Material Number:1020000000011 Batch:G044068601 >>
Change -> Displ. Save Complete Print Create comment

COAL PRODUCED SCRAP QTY. POWER CONSUMED DRILLING TIME LOADING TIME HAULING TIME BLAST LABOUR

40.000 te	0.000 te	26.670 kW.h	1.667 hrs	1.000 hrs	0.833 hrs	3 Pt
-----------	----------	-------------	-----------	-----------	-----------	------

Confirmation Entry

SIMULATION MODE	SIMULATE/CONFIRM PO	TOTAL YIELD	LABOUR_MINE	POWER_MINE	FUEL_MINE	MACHINE_MINE	OH_MINE_COAL	OUTPUT MESSAGE
X	SIMULATE/CONFIRM PO	40.000 te	0.0000	0.0000	0.0000	0.0000	0.0000	Confirmation successful

MESSAGE TEXT:*

CONFIRMATION NUMBER: 0000261280

CONFIRMATION COUNTER: 00000001

POSTING DATE: 05.05.2021

SHIFT NOTE NUMBER

Create Shift Note

Confirmation of order 60003568 saved

SAP

ECD (1) 105 DELCISAPECD IWS

If confirmation done successful as shown above confirmation number will be generated.

Any message if you want to write you can write in message text ,

After that click Generate Shift Note button to generate shift note.



Production Planning End User Manual



accenture
High performance. Delivered.

Shift Note Number Generated successfully as shown below.

Please note that shift number to generate shite note in SHN3.

Sheet-Change
Process Order: 60003568 Material Number: 1020000000011 Batch: G044068601 >>
Range -> Displ. Save Complete Print Create comment

COAL PRODUCED	SCRAP QTY.	POWER CONSUMED	DRILLING TIME	LOADING TIME	HAULING TIME	BLAST_LABOUR
40.000 te	0.000 te	26.670 kW.h	1.667 hrs	1.000 hrs	0.833 hrs	3 Pt

Confirmation Entry

SIMULATION MODE	SIMULATE/CONFIRM PO	TOTAL YIELD	LABOUR_MINE	POWER_MINE	FUEL_MINE	MACHINE_MINE	OH_MINE_COAL	OUTPUT MESSAGE
X	SIMULATE/CONFIRM PO	40.000 te	0.0000	0.0000	0.0000	0.0000	0.0000	Confirmation sucessfull

MESSAGE TEXT.* NA

CONFIRMATION NUMBER 0000261280

CONFIRMATION COUNTER 00000001

POSTING DATE 05.05.2021

SHIFT NOTE NUMBER **Shift Note 001200000406 create**

Transaction code - SHN3 - Display Shift Note.

Enter Shift note number and press enter.

Shift Note Edit Goto Extras System Help

Display Shift Note

Shift Note Number 1200000406



Production Planning End User Manual



accenture
High performance. Delivered.

Click on Print button.

Display Shift Note

Send

Shift Note: 1200000406

Work Center: HAUL_CL Hauling Machines for Coal

Plant: 4068 Dalurband OC

Subject

Category: [Dropdown]

Reference Object: Process Order

Process Order: 60003568

Display Object

Comment

05.05.2021 05:23:31 PM INDIA Hitesh Bansal (ACCNHB7862)
Process message for process order 60003568, operation, phase 0080
NA

Attach Text Module

Subject

SN: 00000001

Description: Process message for process order 600035

Subject Long Text

Select output device, and click print preview.

Display Shift Note

Send

Shift Note: 1200000406

Select Shop Papers

Sh...	Description	Output Device	P.. Nu...	D..	P..	D..	N..	S...	O...	Recipient number	Co...
ZN01	Shift Note (PDF)	p01	1								

Print/Fax Multiple Fax Print Preview

05.05.2021 05:23:31 PM INDIA Hitesh Bansal (ACCNHB7862)
Process message for process order 60003568, operation, phase 0080
NA



Production Planning End User Manual



accenture
High performance. Delivered.

Transaction code- MIGO

Manual Goods Issue

Select Goods issue and enter order as shown below and then press enter.

Line	Mat. Short Text	V OK	Qty in UnE	E...	SLoc
1	CAST BOOSTER	☒	0.140	TE	MG - Magazine
2	Nonel	☒	88	KM	MG - Magazine
3	LD Column	☒	0.002	TO	MG - Magazine

Enter all the required fields like storage location and batch of each material and then click item ok checkbox, then click on ok checkboxes shown in front of the material, now click check button and if document is OK it is ready to post

Line	St...	Mat. Short Text	V OK	Qty in UnE	E...	SLoc	Order	Ac...	Co...	Batch
1	☒	CAST BOOSTER	☒	0.140	TE	MG - Magazine	60003568	0080	ECL	12345678
2	☒	Nonel	☒	88	KM	MG - Magazine	60003568	0080	ECL	12345678
3	☒	LD Column	☒	0.002	TO	MG - Magazine	60003568	0080	ECL	12345678



Production Planning End User Manual



accenture
High performance. Delivered.

As document is ok now click Post button and then material document posted success message will be displayed as shown.

The screenshot shows the SAP 'Goods Issue Order - Hitesh Bansal' interface. The 'Post' button is highlighted in the top bar. The 'General' tab is active, showing fields for Document Date (05.05.2021), Posting Date (05.05.2021), and Material Slip. The 'Material Documents' list on the left includes 9200003474. The bottom status bar displays a success message: 'Material document 9200003474 posted'.

Line	Mat. Short Text	V	OK	Qty in UnE	E...	SLD

