

Rudaya Enterprise Suite 19.3.1 Manufacturing Setup Guide

Release RES 19.3.1 · Version 19.3.1 · Windows 64-bit

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RUDAYA POWERS PVT. LTD.

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Follow these steps in order to run production in Rudaya Enterprise Suite (RES) 19.3.1: raw-material stock, bills of materials, routings, production orders and finished goods. Most manufacturers can complete setup in three to five working days, depending on how many products they make.

Before you start

The Manufacturing package adds work centres, manufacturing structures (a bill of materials plus its routing), production orders, material issue and consumption, step-by-step routing execution, production completion and finished-goods receipt. Stock is kept in the Suite's shared Inventory.

Have these ready:

What	Why you need it
A Windows server or PC for the Suite	Rudaya runs on your own hardware; staff use it from a web browser
Your RES licence, including Manufacturing	The screens appear only when the package is licensed and switched on
Company details, GSTIN and PAN	Company profile and tax settings
Item list: raw materials, components and finished goods (code, name, HSN, unit)	Every material and output must exist in the product catalogue
Bills of materials: quantity of each material per batch of output	Structures
Routing: the operations in order and where each happens	Work centres and routing steps
Stores and shop-floor locations, with opening stock quantity and value	Stock locations and opening receipts
Staff list with duties	One sign-in and role per person

Who does what. Your administrator and production planner do Parts A to C once. Planners, stores and shop-floor supervisors then follow Part D for every production run.

New in RES 19.3.1. Order Tracking (Sales > Order Tracking) follows each Sales Order to closure and shows its production orders with completed and planned quantity; the order cannot be closed until every production order is completed. Products bought from suppliers for a Sales Order need stock tracking, switched on under Production > Shared Inventory, before purchasing can raise a purchase order. Also in 19.3.1 for every edition: Standard Quote and Standard Invoice layouts, approval email alerts, removing a user with handover, and installer windows that fit laptop screens. See the RES 19.3.1 User Manual.

New in RES 19.3. The 30-day trial and Enterprise Plus licences also open GST Dashboard, Tax Classification, Purchase Register analysis, cash-flow forecasts and FX actuals under Finance (User Manual, section 9). An upgrade from RES 19.1 or RES 19.2 needs no new activation. The steps in this guide are unchanged from RES 19.2. Since RES 19.2: Setup does not require the PostgreSQL ODBC driver, and bank connections, AI suggestions in Finance using a local model and e-invoice settings are optional additions.

Part A: Install and activate (administrator, once)

Step 1. Install Rudaya Enterprise Suite

You need a 64-bit Windows computer or server, a Windows administrator account, port 5111 free, and a current Edge, Chrome or Firefox browser.

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Install in this order: PostgreSQL 17, then Rudaya. Each step must finish before the next one starts. The PostgreSQL ODBC driver is optional.

1a. Install PostgreSQL 17

1. Download the PostgreSQL 17 installer for Windows x64 from postgresql.org/download/windows.
2. Run it as administrator. Keep port **5432** and set a strong password for the `postgres` administrator account. Keep this password safe; Rudaya Setup asks for it.
3. Finish the installation. Stack Builder is not needed.

1b. PostgreSQL ODBC driver (optional)

1. Rudaya does not use the ODBC driver. Install it only if another program on this computer needs it: download the 64-bit Windows installer psqlodbc_x64.msi from the official PostgreSQL ODBC site.
2. Run it as administrator and accept the defaults.
3. To check it, open ODBC Data Sources (64-bit) from the Start menu. On the Drivers tab, PostgreSQL Unicode(x64) is listed.

The driver is not included in the Rudaya installer. Rudaya Setup shows it as optional and continues without it. Upgrading from RES 19.1, 19.2 or 19.3: run the 19.3.1 Setup as administrator and choose Upgrade; your data, settings and activation are kept and no new activation is needed.

1c. Install Rudaya Enterprise Suite

1. Download `RudayaEnterpriseSuite-19.3.1-Setup.zip` from rudayapowers.com (Trial & downloads).
2. Check the download. In PowerShell, in the download folder, run `Get-FileHash -Algorithm SHA256 .\RudayaEnterpriseSuite-19.3.1-Setup.zip`. The result must match the checksum on the download page exactly.
3. Extract the ZIP, right-click `RudayaEnterpriseSuite-19.3.1-Setup.exe` and choose **Run as administrator**. If Windows shows “Windows protected your PC”, choose **More info**, check the file name, then **Run anyway** (only if the checksum matched).
4. Choose **Install**. On **Connection & data**, choose **connect to an existing PostgreSQL 17 server** and enter address `localhost`, port `5432`, the `postgres` account and its password.
5. Enter a database name and an application database account (for example `rudaya_app`), review the summary and choose **Install**.
6. When installation finishes, the **Setup Wizard** opens in your browser.

Step 2. Complete the Setup Wizard

1. Accept the licence agreement and create the first **application administrator**.
2. Enter your company details.
3. **Activate your licence:** download the activation request, email it to sales_rudaya@rudayapowers.com asking for **Manufacturing**, then import the signed response Rudaya sends back. Never email passwords.
4. In **Industry Bundles and Core modules**, select **Manufacturing**, finish, and sign in at http://localhost:5111.

The wizard session lasts 15 minutes, but saved steps are kept; choose **Open Setup Wizard** in the installer to continue. A 30-day trial is available. Packages can be switched on later under **Administration > Licensing > Installed packages**.

Part B: Company, users and items (administrator, once)

Step 3. Company and commercial settings

1. In **Administration > Settings**, complete the company profile and logo.
2. In **Commercial Settings**, save your base currency (INR). Stock tracking cannot start until it is saved.
3. Enter your **GSTIN** and check it against your registration certificate (live GST lookup is not configured).

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Step 4. Users and roles

Give each person their own account in **Administration > Users & roles**.

Person	Role to start from	Does in Manufacturing
Owner or IT person	Admin	Settings, users, work centres
Production planner	A role with Manufacturing management access	Structures, releases, production orders
Stores in-charge	A role with Manufacturing access	Stock receipts, material issue
Shop-floor supervisor	A role with Manufacturing access	Routing steps, consumption, completion
Accountant	Finance	Costs, payables, reports

If someone sees *Manufacturing is not available because this workspace lacks the required permission*, grant access under **Users & roles > Governed permission assignments**, with a recorded reason.

Step 5. Load items into the product catalogue

Every raw material, component and finished good must be an **Active** product, with the unit (UOM) you will use in production.

1. Open **Sales > Product Catalog**. Create the manufacturers, categories and units you need first.
2. Download the **product import template**, fill it in, **Preview**, then import. Existing rows are skipped, never duplicated.
3. Check that units match how you measure: for example, steel in kg and fasteners in numbers (Nos). Rudaya does not convert between units.

Part C: Stock, work centres and structures (administrator and planner, once)

All of Part C is in **Manufacturing > Production**.

Step 6. Stock locations, tracking and opening stock

In the **Inventory** section (Shared Inventory):

1. Under **Stock locations**, enter a **Stock location code** and **Stock location name** for each store, e.g. RM-STORE (raw materials), WIP and FG-STORE (finished goods). Choose **Save stock location**.
2. Under **Stock products**, enter each **Stock-tracked Product code** and choose **Enable stock tracking**. Do this for every material you issue and every finished good you make.
3. Record opening stock with **Inbound receipt**: product, location, **Stock receipt quantity**, **Total receipt value** and a **Supporting document reference**. Choose **Record stock receipt**.
4. Check **Stock balances** (On hand, Moving average per unit) against your physical count.

Step 7. Work centres

Under **Work centers**, enter a **Work-center code** and **Work-center name** for each place an operation happens (e.g. CUT-01 Cutting, WLD-01 Welding, ASM-01 Assembly). Choose **Save work center**.

Work centres name where each step happens. They are not used for capacity planning, scheduling or costing in this release.

Step 8. Build and release a structure (bill of materials and routing)

Under **Planning**, for each product you make:

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1. Enter the **Output item code**, **Output description**, **Output unit** and **Yield quantity** (how many units one batch makes).
2. Under **Draft materials**, choose **Add material** for each input: **Material code**, **Description**, **Unit** and **Quantity** per yield.
3. Under **Draft routing**, choose **Add routing step** for each operation, in order, and pick its work centre.
4. Choose **Save draft structure**. No stock moves.
5. In **Structures**, find the draft and choose **Release**. Rudaya checks the products and units, then makes it available for production orders.

To change a released structure, save a new revision and release it.

Part D: Running production (planner, stores and shop floor)

Each run goes: create the production order, issue and consume materials, complete each routing step in order, record completion, then receive finished goods.

Step 9. Create a production order

Under **New production order**:

1. **Sales Order demand**: pick the customer's Sales Order, or choose **Make to stock / no Sales Order**.
2. Enter an **Order number** and choose the **Released structure**.
3. Enter the **Planned quantity**.
4. Tick **Post physical stock through shared Inventory** so materials and finished goods move real stock. Then choose the **Material issue location** and **Finished-goods location**.
5. Choose **Create order**.

If you leave stock posting off, the order is *execution-only*: steps are tracked, but stock does not move and material cost is not available.

Step 10. Issue and consume materials

Open the order and go to **Material execution**. For each material:

1. Enter the **Issue quantity** and choose **Issue**. Stock leaves the material issue location, and its cost is traced on the order.
2. As material is used, enter the **Consumption quantity** and record it. Consumption does not reduce stock a second time.

Step 11. Complete routing steps in order

In **Routing execution**, choose **Complete step** for each operation when its work is finished. A step shows *Waiting: complete earlier assigned steps first* until the steps before it are done.

Step 12. Record completion and receive finished goods

In **Completion and receipt**:

1. Choose **Record production completion**. This needs every routing step completed and all planned material consumed.
2. Then receive the finished goods into the finished-goods location. Check that **Stock balances** shows the new quantity.

Step 13. Purchases and stock checks

- **Raw materials from suppliers:** use **Inbound receipt** with the supplier invoice or GRN number as the document reference. With Procurement permissions and the Payables entitlement, you can instead receive goods against a verified supplier bill or an approved purchase order.
- **Moving stock** between stores: use **Stock transfer**.

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- **Weekly:** compare **Stock balances** with a physical count, and review **Stock movement history** (latest 100 movements) for anything unexpected.
- **Planning help:** the **Manufacturing planning workbench** prepares a planning preview from saved records. It only saves a draft; it never creates orders.

Part E: Workflow design (administrator and managers)

This part shows how Manufacturing work flows through Rudaya Enterprise Suite, who does each step, and where a second person must approve. Agree it with your managers and set up the approvals once, before go-live.

Process flow

Each run goes from a released structure to a production order, material issue, routing steps in order, completion and receipt of finished goods. Rudaya enforces the order: a step waits until earlier steps are complete, and completion needs every step and all planned material.

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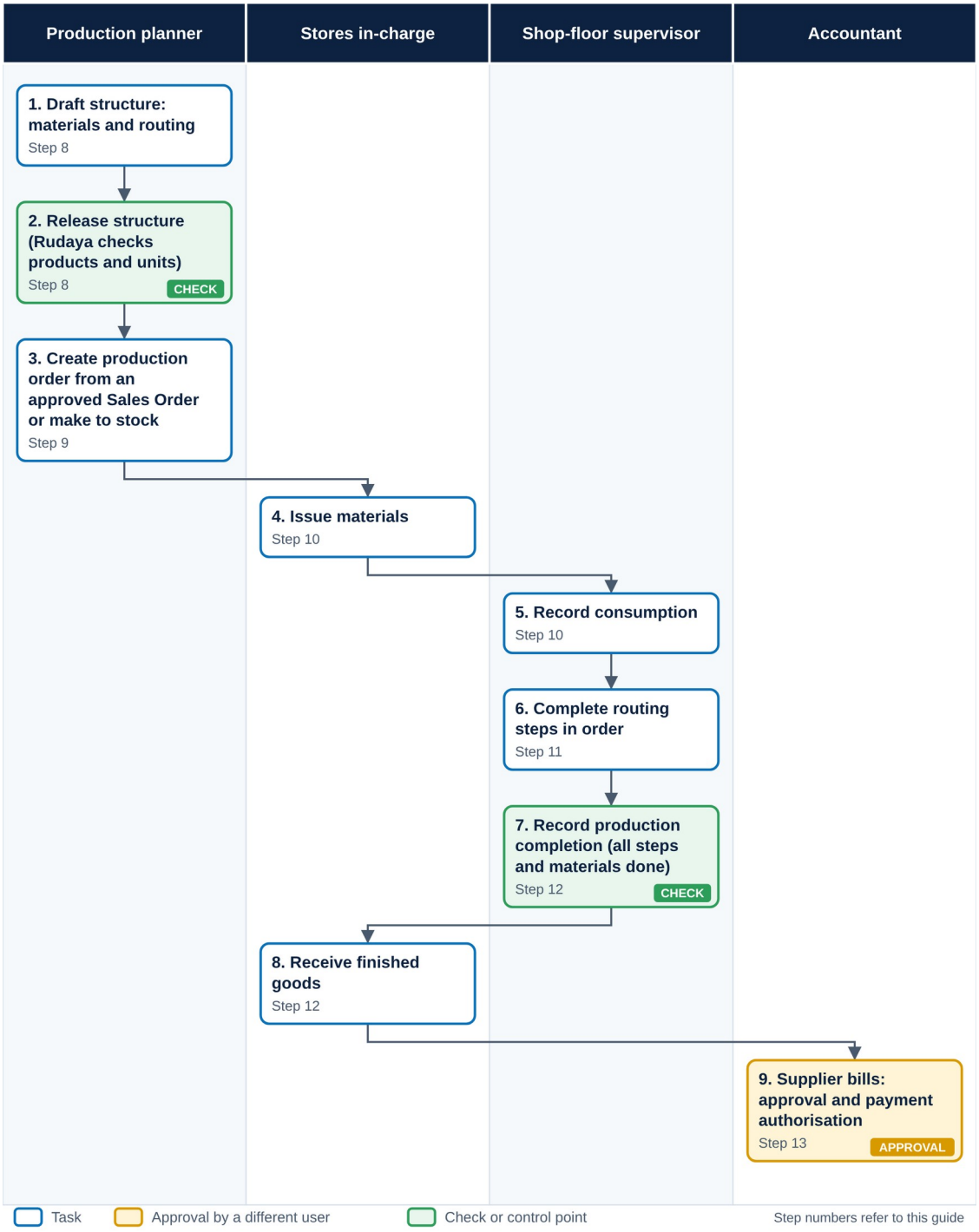

Read the flow top to bottom. Each column is a person or team; step numbers refer to this guide.

Core Foundation integration workflow

Manufacturing runs on Core Foundation. Items come from the Core product catalogue, stock moves through shared Inventory, and a production order can take its demand from a Core Sales Order. Structures, production orders and routing are Manufacturing records.

This diagram is separate from the process flow above. The process flow shows who does each step; this one shows where each step is done and what passes between Core Foundation and Manufacturing.

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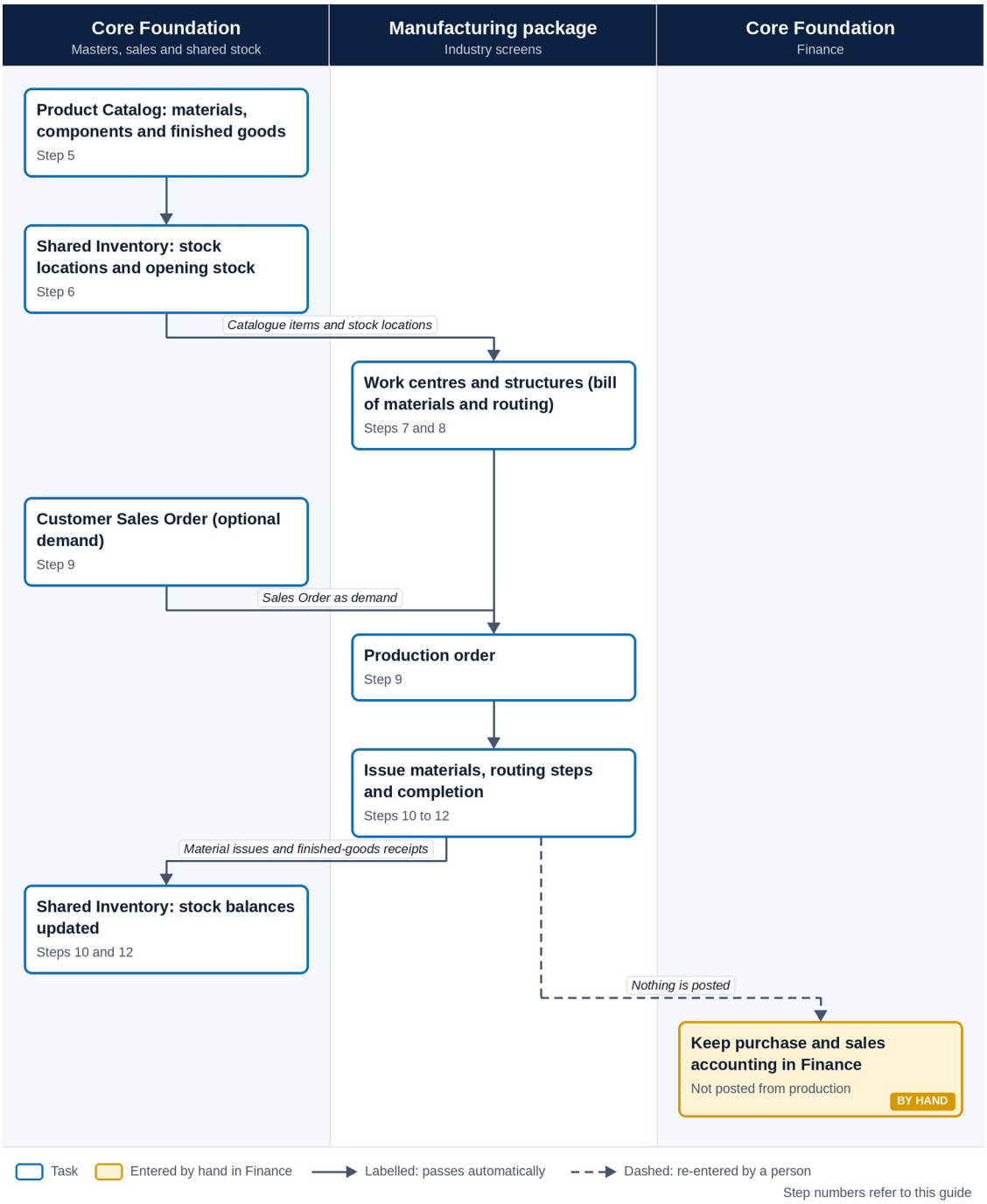

Read the flow top to bottom. The left and right columns are Core Foundation; the middle column is Manufacturing. A labelled arrow shows what passes automatically; a dashed arrow shows what a person enters again. Step numbers refer to this guide.

What Core Foundation provides. Each Core Foundation item that Manufacturing depends on, and how the information passes.

Core Foundation item	How Manufacturing uses it	How it passes
Product Catalog (Sales > Product Catalog)	Every material and every output on a structure must be a catalogue item.	Automatic
Shared Inventory	Material issues take stock from the material issue location and finished goods are received into the finished-goods location, when Post physical stock through shared Inventory is ticked on the order.	Automatic

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Core Foundation item	How Manufacturing uses it	How it passes
Sales Order	A production order can name the customer Sales Order it is made for, or be made to stock.	Automatic
Finance	Nothing is posted from production. Stock receipts and production record quantities and document-supported values only.	By hand

What stays separate in RES 19.3. Plan for these points before go-live.

- **Stock posting is a choice on each order.** If it is left off, the order is execution-only: steps are tracked, stock does not move and material cost is not available.
- **Purchasing.** Raw materials are received with Inbound receipt. With Procurement permissions and the Payables entitlement, goods can be received against a verified supplier bill or an approved purchase order.

Approvals and checks

Rudaya enforces a maker–checker rule on the server for quotations, direct sales orders, supplier bills, supplier payments, bank postings and the approval policies themselves: the person who prepares a record cannot approve it. There is no central approval inbox. Waiting requests are listed in each area, for example Finance > Adjustment approvals and Requests waiting under Finance > Payables > Bill & payment controls.

Approval or check	Prepared by	Approved or checked by	Where
Quotation	Sales Engineer saves it and chooses Submit for approval	A different user with approval permission (Sales Manager) enters a reason and chooses Approve or Reject	Sales > Quotation Center
Structure release	Production planner saves the draft structure	Release: Rudaya checks the products and units before the structure can be used. A change needs a new revision and release	Manufacturing > Production > Structures
Production completion	Shop-floor supervisor	Allowed only when every routing step is complete and all planned material is consumed	Manufacturing > Production > Completion and receipt
Purchase receipt against an approved purchase order (optional)	Stores, with Procurement permissions	Receives against a verified supplier bill or an approved purchase order	Manufacturing > Production > Inventory
Purchase order (if you use procurement)	Buyer prepares the purchase order from the sales order procurement screen	A different user approves it under the purchase order approval policy	Sales order procurement > Approval policy
Supplier bill and its payment (once switched on)	Finance user records the supplier bill or payment	A different user holding finance.bill.approve approves the bill; another holding finance.payment.authorise authorises the payment. No built-in role holds these permissions	Finance > Payables > Bill & payment controls (Requests waiting)

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Approval or check	Prepared by	Approved or checked by	Where
Finance adjustment	Finance user prepares the adjustment	A different user approves it under the finance adjustment approval policy	Finance > Adjustment approvals
Bank Intelligence posting (if used)	Creator prepares the draft; a reviewer records a human review; the creator submits for posting approval	A different user approves under the bank posting approval policy; a user with posting permission chooses Post exact approved settlement	Finance > Bank Intelligence

Approval settings in RES 19.3.1

RES 19.3.1 has no screen for drawing a custom approval chain. Approvals are controlled by these settings:

Setting	Where	How it works in 19.3.1
User grades and positions	Administration > Users & roles > User grades and approval authority	Active
Workflow grade rules (a permission needs a minimum grade)	Same panel	Active
Monetary approval limits per user	Same panel	Saved only; not enforced in 19.3.1
Direct Sales Order approval policy	Sales > Quotation Center > Direct Sales Orders	Active once set
Purchase order approval policy	Sales order procurement > Approval policy	Active once set
Finance adjustment approval policy	Finance > Adjustment approvals	Active once set
Bank posting approval policy	Finance > Bank Intelligence > Approval policy	Active once set
Supplier bill approval and supplier payment authorisation	Finance > Payables > Bill & payment controls	Off until two people switch them on; then permanent

Each “active once set” policy is proposed by one person and approved by a different person, with an approval window and a validity period. Until a policy exists, that kind of approval cannot be completed.

Set up approvals (administrator, once)

1. Decide who prepares and who approves for every row in the approvals table. Each approval needs at least two people, because no one can approve their own record.
2. In Administration > Users & roles, give preparers and approvers different roles. For example, Sales Engineer prepares quotations and Sales Manager approves them.
3. In Users & roles > User grades and approval authority, give each person a grade and position, and add workflow grade rules where a permission should need a minimum grade. You can record monetary approval limits there, but 19.3.1 does not enforce them yet.

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4. Keep Manufacturing management access (structures, releases, production orders) for planners. Stores and shop-floor staff need Manufacturing access only.
5. Supplier bill approval and supplier payment authorisation need the permissions finance.bill.approve and finance.payment.authorise, which no built-in role holds. Create two custom roles, one for each, and give them to different people. Grant any other extra permissions under Users & roles > Governed permission assignments, with a recorded reason.
6. Set up each approval policy you will use: Direct Sales Order (if you take orders without a quotation), purchase order (if you use procurement), finance adjustment, and bank posting (if you use Bank Intelligence). One person proposes the policy with its approval window and validity; a different person approves it.
7. When you are ready, two people switch on supplier bill approval and payment authorisation in Finance > Payables > Bill & payment controls. Once on, they cannot be switched off.
8. Test the workflow with two accounts before go-live: prepare a record as one user, approve it as another, and check that the first user cannot approve their own record.
9. Show each approver where their requests wait, because there is no single inbox.

Small team? You still need two people for every approval. If only one person works in an area, choose a second approver, such as the owner, before go-live.

Part F: Go live

Go-live checklist

☐ Manufacturing switched on (Administration > Licensing > Installed packages)

☐ Company details, INR currency and GSTIN saved

☐ One account per person, with Manufacturing access where needed

☐ Every material and finished good in the product catalogue, Active, with the right unit

☐ Stock locations saved, products stock-tracked, opening stock received with value

☐ Work centres saved and every structure released

☐ Test run done: production order, issue, consume, complete steps, completion, finished-goods receipt

☐ Regular backups scheduled in Administration > Backup & Recovery

What is not included in RES 19.3.1

- **No accounting or GST posting from production.** Stock receipts and production record quantities and document-supported values only.
- **No capacity planning or scheduling.** Work centres name where steps happen.
- **No unit conversion.** Materials are issued in the unit set on the structure.
- **Planning results are drafts.** The planning workbench never creates production or purchase orders.

Troubleshooting

You see	What to do
Manufacturing is not available because this workspace lacks the required permission or verified module entitlement	Check the licence and switch Manufacturing on; ask your administrator to grant access
Save a currency in Commercial Settings before enabling stock tracking	Save INR in Commercial Settings (Step 3)
Enable at least one Product and save a stock location before recording a receipt	Do Step 6 first

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You see	What to do
Create a work center in Work centers before assigning routing steps	Do Step 7 first
Production completion requires all assigned routing steps completed in sequence	Complete the remaining steps and consume all planned material
Recheck the pending Manufacturing operation before starting another	Choose **Recheck pending Manufacturing operation**; do not repeat the action
A message with a reference ID	Send the reference ID and a screenshot to support

Support

- Email **sales_rudaya@rudayapowers.com** or call **+91 020-46761610**.
- Video tutorials: the Rudaya Enterprise Suite YouTube channel.
- Include the product version shown in the app, your workspace name and a screenshot. Never send passwords, licence keys or customer data.

Based on the RES 19.3.1 User Manual, the RES 19.3.1 Installation Guide (released 21 November 2026) and the Manufacturing screens as they are in RES 19.3.1.

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