GST Reco (Accounts) August 21, 2025

# **Process Definition Document (PDD)**

Date	21st Aug 2025		
Project	GST Reconciliation (Zoho Books ↔ GSTR-2B)		
Prepared By	Harpinder Singh		
Stakeholders	Harpinder Singh, Mr. Neeraj Agg, Mr. Pawan Negi & Ms. Vandana Seth		

### 1. Purpose & Outcome

Deliver a zero-install, browser-based app (PWA) that reconciles **Zoho Books** purchases with **GSTR-2B**, and outputs a single Excel file containing standardized summaries. Target outcome: **sub-second** processing, consistent reporting, and fewer manual errors.

### 2. Scope & Assumptions

In Scope - Upload of a monthly Excel with **two sheets**: *GSTR-2B* and *Zoho Data*. - Reconciliation logic with configurable **tolerance** (default ₹10). - Generation of six output sheets in a single workbook. - PWA install support on Chrome/Edge/iOS.

**Out of Scope** - Direct API fetch from GST portal / Zoho Books. - Workflow approvals, email automation, data archival.

**Assumptions** - Column headers are consistent with the provided template.

### 3. Inputs & Required Format

File: Excel (.xlsx) with sheets "GSTR-2B" and "Zoho Data".

**Required columns** (both sheets): - GSTIN of Supplier, Trade Name, Invoice Date, Invoice Number, - Invoice Value, Integrated Tax (IGST), Central Tax (CGST), State Tax (SGST), Taxable Value.

The template Input\_Format.xlsx is attached with the rollout email.

#### 4. Process Flow

#### 4.1 AS-IS

- 1. Download GSTR-2B for the target period from the GST portal (Excel/CSV).
- 2. Export Purchase Book from Zoho Books for the same period.
- 3. Open a master workbook and **standardize headers/formats** (GSTIN, Trade Name, Invoice Date, Invoice Number, values). Normalize invoice numbers (trim/uppercase, remove spaces/dashes, unify slashes, drop leading zeroes).

GST Reco (Accounts)

August 21, 2025

4. Use Excel formulas (e.g., VLOOKUP/INDEX-MATCH) on (GSTIN, Invoice Number) to compare Invoice Value, IGST/CGST/SGST, and Taxable Value.

- 5. Create manual summaries: Zoho Book Vs GSTR, GSTR Vs Zoho Book, Sum totals, Bills-wise, GSTIN-wise, Trade Name-wise (pivots/totals).
- 6. Review exceptions (missing in Book/2B, minor value differences), apply an informal **tolerance** threshold, and annotate.

#### 4.2 TO-BE

- 1. User opens the app → sets **Tolerance** (₹) if needed.
- 2. Uploads the source Excel.
- 3. App validates sheets/headers and **normalizes keys** (GSTIN → uppercase; Invoice No. → uppercase, strip spaces/dashes, unify slashes, drop leading zeroes).
- 4. Groups by (GSTIN, Invoice Number) and sums numeric fields.
- 5. Compares Zoho vs 2B, computes differences, applies tolerance. Auto-downloads reconciliation\_output.xlsx with all summaries.

#### 5. Matching Rules & Tolerance

- Primary key: (GSTIN, Invoice Number) after normalization.
- Differences: values within ±₹Tolerance are treated as 0 (considered matched).
- Status tags: Match, Missing in Book, Missing in 2B, Mismatch: Invoice/Tax/Taxable.

### 6. Outputs (Single Excel)

- 1) Zoho Book Vs GSTR invoice-level differences (Zoho → 2B).
- 2) GSTR Vs Zoho Book invoice-level differences (2B → Zoho).
- 3) **Sum Function** totals and net difference.
- 4) **Bills Wise Summary** consolidated per bill (with status).
- 5) **GSTIN Wise Summary** supplier-wise totals and differences.
- 6) Trade Name Wise Summary trade-name roll-up of differences.

### 7. Non-Functional & Security

- Performance: typical runs complete in milliseconds.
- Privacy: processing happens entirely in the browser; files are not uploaded to servers.
- Availability: static app on Vercel; no server state.
- Installability: PWA support (Add to Home Screen / Install App).
- Auditability: tolerance value visible in UI; deterministic outputs.

#### 8. Roles & RACI

Role	Responsibility	R	Α	С	I
Accounts Users	Uploads file; reviews output	R			

GST Reco (Accounts)

August 21, 2025

Mr. Neeraj Aggarwal	Acceptance, tolerance policy		Α	С	I
Harpinder Singh (RV)	Build, maintenance, fixes, domain/SSL, deploys	R		С	I

R: Responsible, A: Accountable, C: Consulted, I: Informed

### 9. Deployment & Access

• URL: https://recorv.vercel.app

Environments: Dev → UAT → Prod (single URL after sign-off).

• Install (PWA): Chrome/Edge → Install app; iOS Safari → Add to Home Screen.

• Artifacts: source in Drive; Vercel build logs retained.

### 10. Risks & Mitigation

Risk	Impact	Mitigation
Header mismatch / changed export	Processing fails	Provide template, validate headers, quick parser updates
Extremely large files	Slow processing	Recommend monthly splits; staged upload guidance
User confusion on tolerance	Recon disputes	Default ₹10, inline help text, training note

### 11. Acceptance Criteria

- The app accepts the template file and produces all six sheets.
- Differences within ±₹10 evaluate to 0 across all sheets.
- Total figures in **Sum Function** align with source totals.
- Performance: output generated in ≤ 2 seconds for typical monthly files.
- PWA install prompt available; app loads offline with basic shell.

# 12. Change Control & Support

• Contact: Harpinder Singh (RV Solutions) – Harpinder.singh@rvsolutions.in

## 13. Sign-off

Name	Role	Signature	Date
Harpinder Singh	Owner / Developer		21-Aug-2025
Mr. Pawan Negi	Process Owner		22-Aug-2025
Mr. Neeraj Aggarwal	Approver		22-Aug-2025