

# NIRYAT — Export Domain Primer

The ecosystem, the journey, and why we need a rules engine

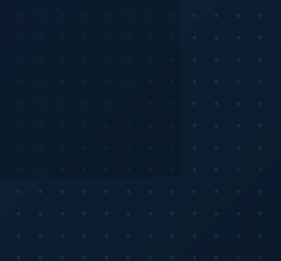
**PROJECT** NIRYAT

**OWNER** Pawan Sharma

**AUDIENCES** Founder + Engineering

```
$ cloudbox.io / verify-identity
```

```
binary 01010000 01000001 01010111 01000001 01001110 01011111
01010100 01001000 01000101 01000011 01001100 01001111
01010101 01000100 01000010 01001111 01011000
hex    504157414e 5f54484543 4c4f554442 4f58
```



# NIRYAT — Export Domain Primer

---

A reading guide for the founder, the engineering team, and any non-tax person joining NIRYAT. Covers:

1. Every organisation in the Indian export ecosystem and what role each plays
  2. The end-to-end export journey, step by step, with which org does what
  3. What each critical-path integration is, in plain English
  4. Why NIRYAT needs an embedded rules engine + nightly scanner
  5. The authoritative source of truth for every rate and rule
- 

## Part 1 — The Indian Export Ecosystem

---

An export shipment is not one transaction. It's an assembly of ~15 organisations doing handoffs, with money, documents and goods moving in three different directions over 60–120 days. Most of these orgs don't talk to each other. NIRYAT's whole job is to be the customer's single view of what **all of them** are doing on their behalf.

## The cast

### › Government / Regulatory

#	ORG	ONE-LINER
1	<b>DGFT</b> (Directorate General of Foreign Trade)	Department of Commerce body that decides export <b>policy</b> — IEC issuance, RoDTEP rates, EPCG/AA licenses, eBRC self-cert, eCoO. Sits under Ministry of Commerce.
2	<b>CBIC / Indian Customs / ICEGATE</b>	The taxman's customs arm. Operates ICEGATE (the customs portal). Files shipping bills, issues LEO (Let Export Order), processes drawback, manages EDPMS shipping-bill database. Under Ministry of Finance.
3	<b>GSTN</b> (Goods and Services Tax Network)	The non-profit company that runs the GST IT system (gst.gov.in). Filings, returns, refunds, IMS. Owned by Govt + private.
4	<b>RBI</b> (Reserve Bank of India)	Owns FEMA (foreign-exchange law). Mandates AD banks. Operates EDPMS / IDPMS. Sets realisation timelines (15 months under Regs 2026).
5	<b>BIS</b> (Bureau of Indian Standards)	Issues Indian Standards. Notifies QCOs (Quality Control Orders) — 170+ in force. Mostly relevant when same goods are also sold in India.
6	<b>DGCI&amp;S</b> (Directorate General of Commercial Intelligence and Statistics)	Maintains India's official trade statistics. Not user-facing.
7	<b>MEA</b> (Ministry of External Affairs)	Owns SCOMET list (dual-use export controls). Apostille / legalisation of documents for some destinations.
8	<b>ECGC</b> (Export Credit Guarantee Corporation)	PSU insurer. Buyer-default credit insurance for exporters.

### › Banks & money

#	ORG	ONE-LINER
9	<b>AD Bank</b> (Authorised Dealer Bank — HDFC, ICICI, Axis, SBI, etc.)	Any RBI-authorized bank that handles foreign-currency transactions for exporters. Issues LCs, receives buyer payments, generates IRMs (Inward Remittance Messages), pushes data to EDPMS.
10	<b>Importer's bank (foreign)</b>	The buyer's bank. Issues the LC (Letter of Credit) and remits payment after BL handover. NIRYAT doesn't talk to this directly — only through the Indian AD bank.
11	<b>Buyer (Importer)</b>	The foreign company buying the goods. Raises the PO. NIRYAT shows them via Inditex / H&M / Hamburg Textil records.

## › Logistics

#	ORG	ONE-LINER
12	<b>CHA / Customs Broker (CB)</b>	Licensed under CBLR 2018. The only entity (besides exporter themselves with DSC) who can file shipping bills on ICEGATE. Charges ₹2K–10K per bill.
13	<b>Freight Forwarder</b>	Books cargo space with shipping lines. Coordinates trucks/containers/customs. CEVA, DHL, Maersk Logistics, smaller local players. Different from the carrier.
14	<b>Shipping Line / Carrier</b>	The actual vessel operator — Maersk, MSC, CMA CGM, Hapag-Lloyd, ONE. Issues the Bill of Lading. Files EGM (Export General Manifest).
15	<b>CFS / ICD</b> (Container Freight Station / Inland Container Depot)	Where containers are stuffed and handed to customs. CFS = at port. ICD = inland (Tirupur ICD, Tughlakabad ICD).
16	<b>Port Authority</b>	JNPT, Chennai Port Trust, Mundra (Adani), Kolkata. Manages physical loading. NIRYAT doesn't talk to them directly.
17	<b>Pre-shipment Inspection agencies</b> (SGS, Bureau Veritas, Intertek, TÜV)	Required for some destinations (REACH chemicals, food safety, electrical). Issues inspection certificate.
18	<b>Cargo insurance</b> (New India Assurance, Tata AIG, ICICI Lombard)	Optional. Covers goods in transit.

## › Trust & origin

#	ORG	ONE-LINER
19	<b>Chamber of Commerce / Export Promotion Council (EPC)</b>	Issues Certificates of Origin. There are 125 issuing agencies on DGFT's eCoO 2.0 platform — FIEO, AEPC (apparel), EEPC (engineering), Chemexcil, GJEPC (gems), Pharmexcil etc.
20	<b>Status Holder Recognition</b>	DGFT-issued recognition (One Star to Five Star Export House) based on annual FOB. Status Holders can self-certify many things — including their own CoO under FTAs.

## › NIRYAT's vendors

#	VENDOR	ONE-LINER
21	<b>GSP</b> (GST Suvidha Provider)	The aggregator we route GSTN calls through. ~30 GSPs empanelled by GSTN – IRIS, Cygnet, Taxmann, ClearTax. We pick one.
22	<b>DSC provider</b> (eMudhra, Sify, NSDL, Capricorn)	Issues Class 3 Digital Signature Certificate USB tokens. Required for ICEGATE filings.
23	<b>Meta WhatsApp Business + BSP</b>	The notifications channel. Either direct via Cloud API or through Wati / Interakt / Gupshup.
24	<b>Cloud infra</b> (AWS ap-south-1 Mumbai)	All our compute, storage, database. Mumbai region for DPDP-aligned data residency.
25	<b>OCR + LLM providers</b> (Google Vision, AWS Textract, Anthropic Claude)	Document parsing + intelligent matching + draft generation.

That's 25 distinct organisations. The exporter today coordinates them with email, WhatsApp, paper folders and a part-time DGFT executive. NIRYAT replaces the DGFT executive's job.

## Part 2 – The End-to-End Export Journey

Following ₹18.42 lakh of cotton t-shirts from Krishna Knitwear in Tirupur to Hamburg Textil in Germany. Real numbers, real timing.

### Day 0 – Discovery

Hamburg Textil's procurement team finds Krishna on TradeIndia / Alibaba / a trade show. Sample sent. Pricing negotiated.

**NIRYAT touchpoint:** none yet. Pre-shipment.

### Day 1 – PO received

Hamburg Textil emails a Purchase Order: PO-HMTX-2604821. 200,000 cotton t-shirts at €0.0997 each = €19,940 FOB Chennai.

**NIRYAT touchpoint:** Krishna forwards PO to NIRYAT (or it's auto-pulled from email integration). Shipment record created. Buyer auto-matched to the existing Hamburg Textil profile.

## Day 2 – LC opened

Hamburg Textil's bank (Commerzbank) opens an irrevocable Letter of Credit at sight in favour of Krishna. LC arrives at Krishna's AD bank (HDFC). HDFC validates terms.

**NIRYAT touchpoint:** HDFC pushes LC notification → NIRYAT records it against the shipment. Validates LC terms vs PO (auto). If discrepancy, flag.

## Day 3 – Production complete

Goods are ready. Krishna's accounts team prepares Commercial Invoice (INV/2026/04/477) and Packing List.

**NIRYAT touchpoint:** Auto-generates invoice + packing list from the shipment data. Pulls from Tally if connected.

## Day 4 – Stuffing + customs filing

Goods stuffed into a 40-foot HQ container at Tirupur ICD. CHA (Anand Shipping Agency) files Shipping Bill SB/2026/04/8821 on ICEGATE using their DSC. Customs officer assigns risk profile, may inspect, and issues LEO (Let Export Order). RoDTEP claim is included in the shipping bill (cannot be added later).

**NIRYAT touchpoint:** Auto-pulls SB status from ICEGATE. Validates HSN against current DGFT rate list. If HSN was recently reclassified (e.g., 61061000 → 61069090) — alerts before LEO is issued.

## Day 5 – Sailing

Container moves from ICD to Chennai Port. Loaded onto MSC Maya, voyage 2604E. Carrier (MSC) issues Bill of Lading MSCUNL2604821X. Vessel sails.

**NIRYAT touchpoint:** Pulls BL data from MSC API or freight forwarder API. Records vessel/voyage/ETD/ETA. The shipment lifecycle "Sailing" step lights up.

## Day 5+ – EGM filed

MSC files Export General Manifest with Indian Customs (this triggers RoDTEP scroll generation later).

**NIRYAT touchpoint:** Auto-pulls EGM filing date. Updates expected scroll date.

## Day 6 – Document handover

Krishna sends shipping documents (Invoice, Packing List, BL, CoO, Insurance Certificate, Inspection Certificate if required) to HDFC Bank. HDFC sends to Commerzbank under LC terms. Commerzbank notifies Hamburg Textil. Goods will arrive ~30 days later.

**NIRYAT touchpoint:** Document vault has all docs. Auto-emails to HDFC's documents desk if configured.

## Day 6 – Certificate of Origin issued

Krishna's team requests CoO via DGFT's eCoO 2.0 platform. Tirupur Exporters Association (a DGFT-approved chamber) issues a Non-preferential CoO within hours.

**NIRYAT touchpoint:** Auto-files CoO request via DGFT eCoO 2.0 API. Ensures invoice number on CoO matches shipping bill (per DGFT Notification 05/2026-27).

## Day 12 – RoDTEP scroll generated

CBIC's weekly scroll run picks up the EGM-filed shipment. RoDTEP scrip #28814 generated for ₹1,03,180. Scrip is transferable on ICEGATE.

**NIRYAT touchpoint:** Pulls scroll status from ICEGATE. Notifies operator: "scrip available – sell in market or use against future customs duty."

## Day 14 – Drawback paid

CBIC's drawback module auto-processes. ₹73,700 credited to Krishna's HDFC account.

**NIRYAT touchpoint:** Auto-pulls drawback status. Refund radar updates "Sanctioned."

## Day 30 – Goods arrive Hamburg

Container clears Hamburg customs. Hamburg Textil takes delivery. Inspects. Accepts.

**NIRYAT touchpoint:** Optional – track via carrier API. Useful for the next shipment's pricing/credit terms.

## Day 35 – Buyer pays

Commerzbank debits Hamburg Textil and remits €19,940 to HDFC India under LC. HDFC credits Krishna's account in INR at the day's rate ( $\approx$  ₹18,42,500).

**NIRYAT touchpoint:** HDFC pushes IRM (Inward Remittance Message) HDFC2026/05/2912 to NIRYAT via API. Auto-matches IRM to shipment (99.8% confidence based on amount + date + bank reference).

## Day 36 – eBRC self-cert

DGFT requires the exporter to self-certify the eBRC against the IRM, in the new GSTIN-linked format (mandatory since 13 Jan 2026).

**NIRYAT touchpoint:** Pre-fills the eBRC form with IRM + matched GST invoice. Submits to DGFT via API consumer regime. eBRC ID issued (EBRC-2605-2912). This unlocks IGST refund eligibility.

## Day 40 – IGST refund – 90% provisional

Under CGST Instruction 6/2025 (effective 1 Oct 2025), GST officer must release 90% of IGST refund within 7 days of acknowledgement. ₹1,98,990 (90% of ₹2,21,100) credited to Krishna's HDFC account.

**NIRYAT touchpoint:** Auto-files RFD-01 via GSP partner. Tracks status. Alerts when 90% credited.

## Day 60 – IGST refund – full release

Officer reviews and releases the remaining 10% (₹22,110) within the 60-day SLA.

**NIRYAT touchpoint:** Refund radar marks as "100% received."

## Year-end – RoDTEP Annual Return (ARR)

If FY claims exceed ₹1 crore, exporter must file ARR by 31 March of next FY. Miss it = no future RoDTEP processed.

**NIRYAT touchpoint:** Compliance calendar reminder. Auto-prepares ARR from accumulated claims.

## Multi-year — EPCG / AA tracking

Krishna has EPCG license 0510038245 with ₹8.52 cr Export Obligation against ₹1.42 cr duty saved. Each shipping bill counts toward EO. Once 100% achieved, file EODC (Export Obligation Discharge Certificate) with DGFT.

**NIRYAT touchpoint:** Live tracker. Forecasts when EO will complete. Alerts if pace falls behind. Auto-prepares EODC bundle when ready.

## Visualised in NIRYAT — the lifecycle bar

The shipment-detail page already shows this as 8 horizontal "steps" lighting up green/amber/red as each one completes. This IS the journey above, condensed:

```
[ ✓ Order & LC ] → [ ✓ Shipping Bill ] → [ ✓ LEO & BL ] → [ ▲ Reconciliation ]  
→ [ ○ EGM ] → [ ○ RoDTEP scroll ] → [ ○ IRM & eBRC ] → [ ○ IGST refund ]
```

For new users (Krishna's nephew, Murugan the DGFT executive), every step has a tooltip: **"This is what happens. This is who does it. This is what we're waiting for."**

# Part 3 — Critical-Path Integrations Explained

In the order they matter for v1.

## 1. DGFT — what is it, and why we live or die by it

**What it is.** Directorate General of Foreign Trade. A Department-of-Commerce body that decides **export policy**. They issue your IEC (Importer Exporter Code — the 10-digit number that says "yes, this entity can do international trade"). They notify the rates for export promotion schemes (RoDTEP, Drawback, EPCG, Advance Authorization). They run the eBRC self-cert system. They run the eCoO 2.0 platform that issues Certificates of Origin.

**Why we integrate.** Nearly every NIRYAT feature depends on DGFT data. Without DGFT integration: - We can't show RoDTEP claim amounts (need rate × HSN × FOB) - We can't track EPCG/AA obligation (need fetched amounts and remaining balance) - We can't self-certify eBRCs (the API only DGFT publishes can do this) - We can't generate Certificates of Origin (eCoO 2.0 lives here)

**What changed in 2025-26.** DGFT published a third-party API consumer regime — for the first time in its history, software like NIRYAT can call DGFT APIs on behalf of customers. Before this, only the exporter themselves could log into the DGFT portal manually. This is the single most important regulatory tailwind for our entire business.

**The catch.** Every customer must individually grant our DGFT consumer access via DSC or Aadhaar e-sign. Onboarding has a 30-minute "grant access" step.

## 2. ICEGATE — the customs portal

**What it is.** Indian Customs Electronic Gateway. Run by CBIC. This is where shipping bills are filed, LEO is issued, EGM is filed by carriers, RoDTEP scrolls are generated, drawback is processed, IGST refund tracking lives. EDPMS (the Export Data Processing and Monitoring System) — RBI's database of every shipping bill linked to its realisation — also lives here.

**Why we integrate.** All the **operational** data flows through ICEGATE. DGFT defines policy; ICEGATE is the operating system. - Read shipping bill status - Read EDPMS reconciliation (does our bank-side IRM match the customs-side FOB?) - Read RoDTEP scroll status - Read drawback scroll status - Read IGST refund status - Write: shipping bill amendments (when HSN reclassified, etc.)

**The catch.** Many ICEGATE write APIs require a Class 3 Digital Signature Certificate (DSC). Either the exporter signs from their own machine using NIRYAT's desktop helper, or we partner with CHAs who file under their CB licence. v1 uses the CHA partnership route (cheaper and faster).

## 3. GSTN (via GSP partner) — the GST IT system

**What it is.** Goods and Services Tax Network. The non-profit company that runs [gst.gov.in](http://gst.gov.in). Every GST registration, every monthly filing (GSTR-1, GSTR-3B), every refund application (RFD-01), every IMS action — all live here.

**Why we integrate.** Exports are zero-rated GST transactions, which means refunds — and refund processing requires GSTN access: - Pull GSTR-2B (input tax credit available against this period) - Submit RFD-01 (the actual IGST refund application) - Submit deficiency-memo replies - Read refund status updates

**The catch.** Only GSPs (GST Suvidha Providers — there are ~30 of them) can call GSTN APIs. Becoming a GSP yourself requires ₹2 cr paid-up capital. So we **partner with** a GSP. IRIS or Cygnet are the most-used by mid-market SaaS. We pay them ~₹50K/month + per-call fees. They handle the GSTN connectivity.

## 4. HDFC Bank Trade Finance API

**What it is.** HDFC's developer API for foreign-trade transactions. Exposes IRMs (Inward Remittance Messages — the bank's record of buyer payment), IRM-to-shipment-linking, EDPMS correction requests (the ZA-3 template), LC status.

**Why we integrate.** IRM ingestion is the trigger for everything downstream. Without IRM data: - No eBRC self-cert (we don't know money came in) - No IGST refund (eBRC required) - No EPCG fulfillment tracking (realisation evidence missing) - No EDPMS correction (can't see the mismatch)

**Why HDFC first.** Among Tirupur knitwear exporters specifically, HDFC has ~40% market share for trade banking. Wins the most coverage with the least integration effort.

**The catch.** Bank API onboarding cycles are slow. 4-6 month elapsed time including legal, sandbox access, security review, production credentials. Each customer's HDFC RM has to enable API access on their account (3-5 days per customer).

## 5. ICICI Bank Trade Services API

**Same story as HDFC, second priority.** Among Tirupur exporters, ICICI is roughly #2 (~25% share). ICICI's developer portal (iLens) is more polished than HDFC's; sandbox access in ~1 week. Same OAuth model.

**Together (HDFC + ICICI):** covers ~65% of Tirupur exporters' trade banking. Axis/SBI/Kotak/etc. are added in Phase 5+ as customer demand justifies. Until then, the manual IRM upload flow

(`api.ebrc.uploadIRM()` with OCR) is the fallback.

## 6. WhatsApp Business API (Meta Cloud)

**What it is.** Meta's official API to send messages to WhatsApp users via approved templates (utility, authentication, marketing — different categories with different pricing).

**Why we integrate.** WhatsApp is the **only** channel Indian SME owners reliably check. Email gets ignored. SMS gets archived. WhatsApp gets read within minutes.

**What we'd send:** - "⚠ Mismatch detected on SB/2026/04/8821 — open NIRYAT to resolve before SCN" - "✓ ₹6.75 L drawback credited to your HDFC account" - "📦 14 IRMs ready to self-certify — 5-min batch action" - "🕒 EPCG 0510047221 — only 115 days left to fulfil ₹80 L"

**The catch.** Meta's template policy is strict; templates must be pre-approved. Customer has to opt in. Cost is ~₹0.50–2 per conversation depending on category. We use a BSP (Business Solution Provider — Wati, Interakt) for v1 to skip months of WABA setup; switch to direct Meta Cloud API once we hit ~5K conversations/month.

## 7. AWS S3 (Mumbai region)

**What it is.** Amazon's object storage service in the ap-south-1 Mumbai region.

**Why we integrate.** Every shipping bill PDF, every BL, every eBRC, every FIRC, every customs document needs to be stored, encrypted, accessible, audit-ready, searchable, backed up. S3 with KMS encryption + CloudFront CDN is the default answer.

**Why Mumbai region specifically.** DPDP Act + customer expectation of "data stays in India." DPDP doesn't mandate localisation for general personal data, but enterprise customers ask the question, and the answer "yes, in Mumbai" closes the procurement objection.

**Cost.** Trivial at our scale. ~₹2,000/month at 1 TB.

## 8. DSC providers (eMudhra, Sify, NSDL, Capricorn)

**What they are.** Licensed Certifying Authorities that issue Class 3 Digital Signature Certificates — the physical USB tokens you plug into a computer to digitally sign documents that require Government-grade signatures.

**Why critical.** Required for: - ICEGATE filings (shipping bill amendments) - Some DGFT submissions - IEC consumer access grant (the customer signs the grant with their DSC)

**Who buys them.** The customer, not NIRYAT. We just educate them on which provider, how to apply, and integrate the procurement flow into our onboarding. ₹2,500-5,000 per DSC, valid 2-3 years.

**Why NIRYAT cares.** Without DSC, we can't unlock the most defensible features (write APIs). So onboarding has a "DSC procurement" step where we walk the customer through getting one if they don't already have it.

## Part 4 — Why we need rules embedded + a nightly scanner

This is the architectural insight that separates a real product from a tool.

### The problem

Indian export regulation is **exceptionally** volatile. Examples from the last 12 months alone:

DATE	CHANGE	IMPACT
1 Sep 2025	GST 2.0 — tyres/spares/CV cut from 28% → 18%	Exporter ITC math changes; NIRYAT must use new rates immediately or refund claims are wrong
1 Oct 2025	CGST Instruction 6/2025 — 90% provisional IGST refund within 7 days	Refund tracker UX must reflect new SLA; expected dates change for every active claim
24 Sep 2025	GSTAT operational	New appeal route created — affects litigation flows for any rejected claim
Nov 2025	DGFT Notification 60/2025-26 — RoDTEP rates cut to 50%	Every active RoDTEP claim's expected amount halves overnight
13 Jan 2026	DGFT mandate — eBRC must include GSTIN + GST invoice number + invoice date	All eBRC self-cert flows break unless updated to new format
23 Mar 2026	DGFT Notification 66/2025-26 — RoDTEP rates restored to 100%	Reverses the cut; rates change again
Apr 2026	DGFT Notification 05/2026-27 — CoO must align invoice number with shipping bill	CoO workflow updated
1 May 2025	Service exporters must declare Mode of Export of Services in every eBRC	New mandatory field
1 Apr 2026	GSTR-3B hard-locked to GSTR-2B	Reconciliation engine must be running before this date or every customer gets SCNs
1 Oct 2026	RBI EXIM Regulations 2026 effective	Realisation timelines change; entire FEMA framework updated
30 Sep 2026	RoDTEP scheme expires (unless renewed)	If not renewed, every NIRYAT customer's product value drops

That's 11 material regulatory changes in 12 months affecting export economics. **A customer trying to keep up alone simply can't.** A CA reading notifications can — but charges ₹50K-2L per such "stay up to date" service. NIRYAT's value prop in one sentence: [we read the gazette so you don't have to.](#)

## What "rules embedded" means

Every rate, every threshold, every deadline lives in a versioned table inside NIRYAT — not in code, not in some engineer's head. Examples:

- `rate_table_rodtep` — keyed by HSN, valid\_from / valid\_to dates, percentage
- `rate_table_drawback_air` — keyed by HSN, % rate
- `rate_table_gst` — keyed by HSN, IGST/CGST/SGST rates
- `threshold_msme_arr_filing` — current ₹1 crore threshold, with effective date
- `deadline_epcg_extension` — Public Notice numbers + new deadlines
- `format_ebrv_v3` — current required fields (post-13-Jan-2026)
- `qco_list` — currently in-force QCOs by HSN

Every NIRYAT calculation references these tables, never hardcoded constants. When DGFT changes a rate, we update one row in one table; the entire UI recomputes.

## What "nightly scanner" means

A cron job that runs every night at ~01:30 IST (after most government portals' end-of-day refresh) and:

1. **Pulls** the latest notifications from every regulatory source (DGFT RSS, CBIC notifications page, GSTN circulars, RBI master directions, BIS QCO list, Finance Act amendments)
2. **Diffs** against the previous version — what changed?
3. **Classifies** the change — is this a new rate, a new mandate, a deadline shift, a definitional clarification?
4. **Maps** to affected customers — which of our customers' HSNs or schemes are touched?
5. **Updates** the internal rule tables (with operator review for high-impact changes)
6. **Notifies** affected customers via WhatsApp + dashboard alerts
7. **Logs** every change to an audit trail (regulatory + product change history)

## Why this matters more than you'd think

Without the scanner, NIRYAT becomes stale within weeks. The first time a customer's RoDTEP claim is rejected because we used an outdated rate, our credibility is destroyed and the customer churns. With the scanner, the opposite happens — [they](#) find out about a rate change [from us](#) before their CA tells them. We become indispensable.

This is how NIRYAT shifts from "useful tool" to "we cannot operate without this product."

# Part 5 – Source of Truth for Every Rate and Rule

---

This is the engineering team's reference. Every rule has exactly one canonical source.

## Government portals – primary sources

RULE / RATE	SOURCE	URL	HOW WE PULL	UPDATE FREQ
<b>RoDTEP rates</b> (Appendix 4R / 4RE)	DGFT	dgft.gov.in/CP/?opt=RoDTEP	Scrape PDF + manual operator review	Quarterly + ad-hoc notifications
<b>Drawback (AIR)</b>	CBIC	cbic.gov.in (Customs > Drawback)	Annual notification PDF parse	Annual + occasional revisions
<b>Brand Rate Drawback</b>	Per-jurisdiction Customs Commissioner	Manual application per case	Customer-driven	Per-case
<b>GST rates by HSN</b>	CBIC GST Council	gstcouncil.gov.in + cbic-gst.gov.in	API via GSP partner OR scrape	Variable (sometimes monthly)
<b>Customs duty</b>	CBIC tariff	cbic.gov.in/customs-tariff	Annual Finance Act + interim notifications	Annual + ad-hoc
<b>Exchange rate</b> (for shipping bill values)	RBI reference rate	rbi.org.in/scripts/ReferenceRateArchive.aspx	Daily fetch via RBI API	Daily 01:30 PM IST
<b>HSN code changes</b> (additions/deletions/reclassifications)	Finance Act + CBIC Customs Tariff notifications	cbic.gov.in	Annual (with budget) + ad-hoc	Annual
<b>BIS QCO list</b>	BIS	bis.gov.in/upcoming-qcos-notified-and-due-for-implementation/	Scrape weekly	Frequently
<b>SCOMET list</b>	MEA / DGFT	mea.gov.in (India Strategic Trade Controls)	Manual review on revision (rare)	~Annual
<b>EPCG / AA Public Notices</b> (deadline extensions)	DGFT	dgft.gov.in (Public Notices)	RSS + scrape	Per-PN
<b>eBRC format spec</b>	DGFT	content.dgft.gov.in (Technical Specs)	Manual review on update	Per-mandate
<b>GST Notifications + Instructions</b> (CGST / IGST / Compensation Cess)	CBIC	cbic-gst.gov.in/notifications.html	RSS + scrape	Frequent
		gstcouncil.gov.in		Per-meeting

RULE / RATE	SOURCE	URL	HOW WE PULL	UPDATE FREQ
<b>GST Council decisions</b>	GST Council Secretariat		Press release + notification follow-up	
<b>FEMA Master Directions</b>	RBI	rbi.org.in/scripts/BS_ViewMasDirections.aspx	RSS + scrape	Variable
<b>EDPMS small-value closure rules</b>	RBI	rbi.org.in (Master Direction Export Import)	Scrape	Variable
<b>CBIC Circulars / Instructions</b>	CBIC	cbic.gov.in/Circular	RSS + scrape	Frequent
<b>ICEGATE technical advisories</b>	CBIC	icegate.gov.in/advisories	Scrape	Variable
<b>DGFT Notifications / Public Notices</b>	DGFT	dgft.gov.in (Notifications, Public Notices)	RSS + scrape	Frequent
<b>PIB press releases</b> (often the first signal)	Press Information Bureau	pib.gov.in	RSS by ministry	Daily
<b>CTPP / status holder list</b>	DGFT	dgft.gov.in (Status Holder Recognition)	Annual	Annual

## Industry reference sources – secondary

For interpretation and context, we follow these (not as source of truth, but as analytical input):

SOURCE	WHY IT'S USEFUL
<b>Taxguru.in</b>	Practitioner articles within hours of new notifications — fast, accurate, and free
<b>CAclubindia.com</b>	Forum + articles by practising CAs; surfaces edge cases and ambiguities
<b>A2Z Taxcorp</b>	High-quality summaries of DGFT/CBIC notifications
<b>Lakshmikumaran &amp; Sridharan, Khaitan, Cyril Amarchand briefings</b>	Top-tier law firms; their tax briefings are gold standard for interpretation
<b>EY / KPMG / Deloitte / PwC tax alerts</b>	Big-4 alerts for major changes (often paid; their public alerts are free)
<b>NASSCOM, FIEO, EEPC, AEPC, Chemexcil, Pharmexcil bulletins</b>	Industry-body interpretation; sometimes captures sector-specific impact better

## Authoritative rule-citation pattern

In NIRYAT, every rate, deadline, or rule shown in the UI must be tagged with its source. Example:

"RoDTEP rate for HSN 61091000 is **5.6%**. Source: DGFT Notification 66/2025-26 dated 23 Mar 2026. Last verified: 09 May 2026."

This serves three purposes: 1. **Trust**. Customer can click through to the original notification. 2. **Auditability**. When a regulator asks "why did you compute it this way?", we have the answer. 3. **Self-correcting**. If a more recent notification supersedes, the scanner flags it and the cite updates.

# Part 6 — How the Journey Becomes Visible in NIRYAT

Recap of where each step in Part 2 surfaces in the product:

EXPORT STEP	NIRYAT PAGE / SURFACE
PO received	Shipment Detail → top metadata + Activity Timeline (entry 1)
LC opened	Shipment Detail → Documents tab
Production / invoice / packing list	Shipment Detail → Documents (auto-generated)
Stuffing + SB filing	Lifecycle bar — "Shipping Bill ✓"
LEO issued	Lifecycle bar — "LEO & BL ✓" + Activity Timeline
Reconciliation (DGFT vs ICEGATE vs EDPMS)	Lifecycle bar — "Reconciliation" + Reconciliation page
Sailing (vessel / voyage)	Lifecycle bar — "EGM" + Activity Timeline
RoDTEP scroll generated	Lifecycle bar + Refund Radar
Drawback paid	Refund Radar (sanctioned tab)
Buyer pays / IRM	eBRC page (pending IRMs)
eBRC self-cert	eBRC page (action) → DGFT submitted
IGST refund 90%	Refund Radar (Active claims, stage indicator)
IGST refund 100%	Refund Radar (Sanctioned tab)
EPCG / AA tracking	EPCG/AA page — for the life of the authorization
RoDTEP ARR deadline	Dashboard → Compliance Calendar

Plus the new pages:

- **Rules Engine page** — shows the nightly scanner status, recent rule changes detected, sources monitored, audit trail. Demonstrates that NIRYAT is the customer's regulatory intelligence layer.
- **Glossary modal** — for new users, click any acronym (DGFT, ICEGATE, EDPMS, eBRC, RoDTEP, IRM, EPCG, AA, CHA, EGM, LEO, FOB, IEC) and a short definition pops up.

---

## Closing — Why this design wins

---

Three things, when stitched together, are what make NIRYAT a moat instead of a feature:

1. **The 25 organisations are real and they don't talk to each other.** The exporter's part-time DGFT executive is the only person who understands the whole picture today. NIRYAT replaces that person.
2. **The journey is repetitive, time-bounded, and CFO-visible.** Every shipment goes through the same 22 steps over 60-90 days. Every step has money on the line. Showing the whole journey on one screen is genuinely useful in a way 3D Tally screens can never be.
3. **The rules change weekly and the consequences are asymmetric.** Missing one new RoDTEP rate cut costs an exporter ₹50K-5L on the next claim. Missing the 13 Jan 2026 eBRC mandate locks every refund. The customer cannot keep up alone. NIRYAT can. Once we're plugged in, removing us means going back to losing money.

The integration list, the rules engine, and the journey visualisation are the three artifacts that operationalise this. Build all three correctly and the customer never leaves.