INDIA ENERGY STACK

DISCOM-Regulator Data Exchange

Regulatory filings that arrive as data, not documents.

A DISCOM submits its tariff filings, true-ups and compliance returns as structured, digitally signed data that the commission's systems ingest directly. Time-stamped, versioned and traceable.

> **Think of income-tax e-filing.** Structured digital returns replaced paper forms, and checking became system-assisted. This exchange does the same for regulatory filings in the power sector.

01 THE PROBLEM TODAY

Filings on paper, analysis by re-keying

Filings arrive as PDFs and workbooks.

Every DISCOM files an annual revenue petition, plus true-ups and compliance returns through the year. Commission staff manually re-key the numbers into analysis spreadsheets before any review can start.

Nothing compares, nothing reuses.

With no canonical machine-readable form, there is no cross-DISCOM comparison, no automated trend analysis, and recurring disputes over which version of a filing was actually submitted.

In an ARR filing, a DISCOM submits its cost data, power-purchase details and loss assumptions as a structured, digitally authenticated filing. The commission validates the submission through system-assisted checks. Every submission is time-stamped, versioned and traceable across proceedings.

02 SCOPE

What it is, and what it covers

One structured filing. It states:

- the filing identity: which DISCOM, which commission, which type - annual, multi-year, true-up or revision;
- each fiscal year covered, marked as audited, approved, proposed or trued-up;
- every line item: costs, revenues, subtotals and adjustments, mapped to the regulatory form;
- the signed envelope that is the non-repudiable record of submission.

What it deliberately leaves out

- × It does not change what is filed, when it is filed, or which order it answers. Only the shape on the wire changes.
- × The commission's review process stays its own. IES delivers a clean, verified input to it.
- × Supporting workbooks still travel, as signed attachments linked to the filing.

03 HOW IT WORKS

Four steps, start to finish

1

Prepare

The DISCOM's finance team maps its cost heads to the standard filing format. This is done once.

2

Sign & submit

The filing is digitally signed and delivered. The commission's system verifies it and archives the original.

3

Validate

System-assisted checks run against the regulatory rules: totals, references, completeness.

4

Reuse

The versioned record is reused across proceedings, and can be republished for public objections where norms allow.

FOUR TERMS, IN PLAIN WORDS

ARR ·Aggregate Revenue Requirement: the yearly filing that justifies the tariff a DISCOM seeks.

True-up ·the reconciliation of actual costs against what the commission had approved.

Line item ·one row of the regulatory form: a cost, a revenue, or a subtotal.

Non-repudiable ·signed in a way that the sender cannot later deny having submitted.

04 THE RAILS UNDERNEATH

What IES provides

One standard filing shape.
A common structure that covers the cost categories used across commissions, with each state's mapping agreed once.

Verified identities on both sides.
The DISCOM and the commission each sign with a checkable digital identity. No disputed submissions.

Clean versioning.
A resubmission carries the same filing identity with a new version. History stays intact and auditable.

Direct machine ingestion.
The commission's systems read the filing straight into their databases. Re-keying ends.

05 VALUE UNLOCKED

What each stakeholder gains, and how

Regulators (SERCs)

Value: direct ingestion replaces manual re-keying, and cross-DISCOM comparison becomes a database query instead of a season of spreadsheet work.

How: one schema arrives from every licensee, signed and versioned.

DISCOMs

Value: one canonical shape serves every commission, and resubmissions are versioned cleanly instead of emailed afresh.

How: the finance-system extract is mapped to the standard once.

Consumer groups & researchers

Value: where commissions republish filings under public-disclosure norms, every objection and analysis works off the same machine-readable record.

How: they read the published filing, not a re-typed PDF.

The sector

Value: comparable, reusable regulatory data across States raises the quality of tariff decisions and benchmarking.

How: consistent filings accumulate into a usable evidence base.

WHERE IT STANDS TODAY

Live or staged. The specification is published, and an Expression of Interest for Regulatory Data Exchange and Analytics is open with REC.

Specification published | Live or staged | EoI open with REC

BEFORE IES
Filings arrived as PDFs and spreadsheets, re-keyed by hand at the commission.

WITH IES
Signed, structured filings ingested directly: versioned, traceable and comparable across DISCOMs.

WHAT IES DOES NOT DO

IES does not change what is filed or when. Only the format on the wire changes.

IES does not replace any system. Finance systems map their cost heads to the standard once.

The commission's review stays its own. IES delivers a clean, verified input to it.

Read the full specification india-energy-stack.gitbook.io/docs → Use Cases → DISCOM Regulatory Filing