



INDIA ENERGY STACK

Consumer Meter Digest

Your consumption history. Signed by your DISCOM. Yours to share.

A verified statement of a consumer's own meter readings for a chosen period, issued on demand into their DigiLocker or digital wallet. A bank, installer or housing society checks it in seconds.

Think of a bank statement. It is the bank's signed word on your transactions, and everyone accepts it. The Consumer Meter Digest is the electricity equivalent: your DISCOM's signed word on your consumption.

01 THE PROBLEM TODAY

Proof of usage lives on printed bills

The consumer cannot prove usage.

To get a green loan, size a rooftop system or negotiate with an installer, a consumer prints monthly bills and emails scans. The documents are easy to alter, so they carry little weight on their own.

Verifiers call the DISCOM anyway.

A bank or marketplace has no way to confirm a scanned bill is real, so most of them phone or write to the DISCOM. Verification takes days, and the DISCOM carries a steady drip of confirmation requests.

A small-business owner wants a green loan. He authorises his utility to issue a verifiable digest of his consumption. The bank receives a tamper-proof summary, checks the DISCOM's seal in seconds, and moves the application forward. No PDFs, no manual verification.

02 SCOPE

What it is, and what it covers

One digest for one meter and one period. It states:

- which meter and connection the readings belong to;
- the period covered, chosen by the consumer;
- the readings, as 15-minute, daily or monthly data, or as simple summaries: total use, peak, time-of-day;
- data-quality notes and the DISCOM's signature.

What it deliberately leaves out

- ✗ Not the record of the connection and assets. That is the Consumer Energy Passport, a separate note.
- ✗ No continuous feed. The Digest is a snapshot, valid for hours to days; the consumer re-requests when they need fresh data.
- ✗ No new central database. Readings stay in the DISCOM's systems.

03 HOW IT WORKS

Four steps, start to finish

1

Request

The consumer asks for a digest through DigiLocker or a consented app, choosing the period and level of detail.

2

Issue

The DISCOM pulls the readings from its own systems and signs the Digest as a digital certificate.

3

Hold

The Digest lands in the consumer's wallet. Within its validity window, it can be shown to several verifiers.

4

Verify

The bank or installer checks the DISCOM's seal on its own, in seconds. No callback, no paper.

FOUR TERMS, IN PLAIN WORDS

Verifiable credential - a digital certificate with a tamper-proof seal from the issuer.

Wallet - an app that holds your digital documents, such as DigiLocker.

Summary - a derived figure computed from readings: total, peak, or time-of-day use.

Validity window - the short period a digest stays usable before a fresh one is needed.

04 THE RAILS UNDERNEATH

What IES provides

One standard digest format.

A bank builds its verification once and it works for consumers of every DISCOM that has adopted IES.

A tamper-proof seal.

Any change to the digest breaks the DISCOM's digital signature and is caught at the first check.

Proof of entitlement.

Before a digest is issued, the consumer proves the meter is theirs, typically with their Energy Passport or a basic customer credential. No one can pull another person's data.

Wallet delivery.

Digests arrive in DigiLocker or any standard digital wallet, ready to share.

05 VALUE UNLOCKED

What each stakeholder gains, and how

Consumers

Value: verified proof of actual consumption for green loans, solar sizing, tenancy and subsidies. The same digest works across DISCOMs and States, with no repeat verification.

How: they request it on demand and control who sees it.

DISCOMs

Value: the steady drip of bill-verification calls dries up, replaced by a clean, consented data-sharing surface.

How: digests are issued from meter records the DISCOM already holds.

Banks & verifiers

Value: a far higher-trust input than emailed PDF bills, checked in seconds instead of days.

How: they verify the DISCOM's published seal themselves, offline.

Marketplaces & installers

Value: solar and battery quotes sized on real usage instead of guesswork, produced instantly.

How: the consumer shares the digest inside the app at the moment of quoting.

WHERE IT STANDS TODAY

Live in pilot. Consumers hold verifiable records of their consumption history, reusable across DISCOMs and States without repeat verification.

APEPDCL · Andhra Pradesh

DGVCL · Gujarat

Tata Power · Mumbai

PVVNL · Uttar Pradesh

BEFORE IES

Proof of consumption meant printed bills and scanned PDFs, verified by calling the DISCOM, one DISCOM at a time.

WITH IES

A signed digest in the consumer's wallet, checked in seconds and reusable across verifiers.

WHAT IES DOES NOT DO

IES does not store any data. Readings stay with the DISCOM; the Digest is a signed copy the consumer holds.

IES does not replace any system. Billing, customer and meter systems keep working as they are.

The DISCOM adds one small piece of connecting software, called an adapter. Nothing else changes.

[Read the full specification](#)

india-energy-stack.gitbook.io/docs → [Use Cases](#) → [Consumer Meter Digest](#)