



COMPANY BROCHURE • 2026

India's only end-to-end smart energy meter enablement partner

Enabling manufacturers to design, certify and produce smart meters — from zero to scale.



30+

BIS CERTIFICATIONS

7

MANUFACTURING
GEOGRAPHIES

6

ACTIVE CUSTOMERS

80K

METERS IN PRODUCTION

WHO WE ARE

One partner. Every step.

From product design to factory setup to DISCOM relationships.

iMezr Innovations is India's only end-to-end smart energy meter enablement partner. Since 2019, we have enabled industrial houses, electrical OEMs, PSUs and international brands to become smart meter manufacturers — from zero to scale.

We design the product: hardware, firmware, DLMS, mechanical and industrial design. We certify it: BIS type testing, NABL coordination, AMISP certification. And we build the business around it: factory and assembly-line setup, recruitment and training, supply chain, business development and production monitoring.

Your product, your brand, your factory — backed by one accountable partner across the entire journey.

30+

BIS CERTIFICATIONS ACHIEVED

7

MANUFACTURING GEOGRAPHIES

6

ACTIVE CUSTOMER
ENGAGEMENTS

4

NABL LABS CERTIFIED

1

AMISP — LISTED ENTERPRISE

80K

SMART METERS IN PRODUCTION

Design

Unique, exclusive meter designs — electrical, firmware, mechanical and industrial design, owned by you.

Certify

BIS, NABL and AMISP certifications delivered end-to-end with all major Indian type-test labs.

Produce

Factories, assembly lines, people and processes — production-ready operations at scale.

Why leading industry players choose us

India's only end-to-end smart metering enabler — proof-backed at every step.



Proven Track Record

30+ BIS certifications across 7 geographies. Type-tested at CPRI, ERDA, ERTL and YMPL. AMISP certification delivered for a listed enterprise. 80K smart meters deployed in production.



Full-Stack Capability

Hardware, firmware, DLMS, mechanical, factory setup, supply chain, compliance, process & quality, people & infrastructure, AMISP and business development — one partner.



Factory-Ready Execution

Assembly lines, BIS and NABL labs, SOPs and trained production teams delivered at customer plants across India — production-ready from day one.



IP Protection & Cost Control

Your product, your brand, your factory — the customer owns the IP. Full BOM transparency, continuous cost optimisation and access to a global supply chain.

CREDENTIALS IN DEPTH

- IS:16444 Part 1 & IS:13779 — both standards fully covered
- Certifications across Kochi, Bhopal, Coimbatore, Noida, Faridabad, Pune, Hyderabad
- Type-tested at CPRI (Bangalore, Noida, Bhopal), ERDA Vadodara, ERTL (N, W, E), YMPL Udaipur
- Cellular & RF smart meters — both communication technologies
- Guided a Navratna PSU through REC / IntelliSmart AMISP certification
- HES integrations: Trilliant, winAMR, BCITS, Inventive, Tinymesh, Cyan Connnode, Jio
- Global supply chain: Indian, US, Japanese, European, Taiwanese & Chinese suppliers
- Complete SOPs and production documentation for every site
- DPIIT-Recognised Startup — DIPP83173 (Govt of India, valid to 2029)

ONE PARTNER. EVERY STEP.

The end-to-end enablement journey

Eight stages from product concept to sustained production.

1 Product Engineering

Hardware / software, PCB, firmware and full DLMS/COSEM stack — unique designs, exclusively yours.

2 BIS & NABL Compliance

Type testing at CPRI, ERDA, ERTL and YMPL. BIS certification managed end-to-end.

3 Factory & Line Setup

Civil and electrical planning, conveyor systems, process design, quality deployment.

4 Recruitment & Training

Hiring, training and capacity ramp-up — a production organisation built for you.

5 Supply Chain

Sourcing across Indian, US, European, Japanese, Taiwanese and Chinese suppliers.

6 AMISP Certification

REC and DISCOM navigation, HES integration — certification secured end-to-end.

7 Business Development

Sales and marketing support, DISCOM relationship management, pipeline development.

8 Production Monitoring

Quality tracking, supply chain management and continuous field support.

Four customer segments — one trusted partner

Wherever you start from, we take you to production scale.



Industrialists & Conglomerates

Industrial houses entering smart meter manufacturing as a new business line. iMezr provides complete turnkey market entry — product, plant, people and pipeline.

e.g. Sangamam Power, Bharatech



Existing Electrical Companies

Established electrical OEMs adding smart meters to their portfolio. iMezr provides design, compliance and production ramp-up on proven platforms.

e.g. Salzer Electronics, LECS



Govt / Utility / PSU Bodies

Government-mandated manufacturing and utility-backed production. iMezr navigates AMISP, REC and DISCOM requirements end-to-end.

e.g. ITI, TCIL, EESL, multiple DISCOMs



International Companies Entering India

Global meter brands entering India. iMezr provides BIS localisation, India-specific compliance and full manufacturing ramp.

India market entry — BIS, supply chain & factory setup

CUSTOMERS & GEOGRAPHIES

Trusted by leading manufacturers across India

Six active engagements. Seven manufacturing geographies.

Bharatech Smart Industrial Pvt Ltd

Manesar, Gurugram

International OEM · India Market Entry

Smartgrid Innovations Pvt Ltd

Noida, UP

System Integrator · New Entrant

Shete Advanced Technologies Pvt Ltd

Pune, MH

Industrialist · New Entrant

Onstar Venture Pvt Ltd

Hyderabad, Telangana

Renewable Power · Smart Meter Expansion

Salzer Electronics Ltd

Coimbatore, TN

Listed Electrical OEM · Smart Meter Expansion

Lakshmi Electrical Control Systems Ltd

Coimbatore, TN

Listed Electrical OEM · Smart Meter Expansion

7 MANUFACTURING GEOGRAPHIES

Gwalior · Palakkad · Coimbatore · Noida · Manesar · Pune · Hyderabad

DELIVERY FOOTPRINT

BIS certifications achieved for customer sites at Kochi, Bhopal, Coimbatore, Noida, Faridabad, Pune and Hyderabad. Full factory and assembly-line builds delivered at multiple plants, each with complete SOPs and production process documentation.

Three Phase Smart Energy Meter

IS:16444 Part 1 · BIS Certified · 4G / NB-IoT / RF Mesh



Reference standards: IS 16444, IS 13779, IS 15959, IS 15884, CBIP 325, IEC 62052-11, IEC 62053-21/22, IEC 62056 (DLMS).

KEY FEATURES & SPECIFICATIONS

Ratings	10-60A, 20-100A (Direct & CT-connected)
Communication	4G/2G, NB-IoT, RF Mesh (plug-in NIC)
Protocol	DLMS/COSEM · Plug & Play · Self-register
Security	AES-GCM-128 encryption + AES-128 Key Wrap
Tamper Detection	Magnet · AC/DC chopping · Connection tampers
Load Control	Latching relay >10,000 cycles · Remote switch
Metering Modes	Pre-paid & post-paid · TOU up to 8 rates
AMI	Self-healing · Remote FW update · Auto-register
Enclosure	Ultrasonic welded · 35kV surge immune · IP54
Accuracy Class	Active: Class 1 (Direct) / 0.5S (CT) · Reactive: Class 2 / Class 1
Operating Temp.	-25°C to +70°C
Local Interfaces	Optical port (sealable) · Optional: RS485, RS232, BLE
Dimensions	232 mm × 164 mm × 73.5 mm

Single Phase Smart Energy Meter

IS:16444 Part 1 · BIS Certified · 4G / NB-IoT / RF Mesh



Reference standards: IS 16444, IS 13779, IS 15959, IS 15884, CBIP 325, IEC 62052-11, IEC 62053-21, IEC 62056 (DLMS). Other current combinations available on request.

KEY FEATURES & SPECIFICATIONS

Ratings	5(30)A, 5(40)A, 5(60)A, 10(60)A
Communication	4G/2G, NB-IoT, RF Mesh (plug-in NIC)
Protocol	DLMS/COSEM · Plug & Play · Self-register
Security	AES-GCM-128 encryption + AES-128 Key Wrap
Tamper Detection	Magnet · AC/DC chopping · Connection tampers
Load Control	Latching relay >10,000 cycles · Remote switch
Metering Modes	Pre-paid & post-paid · TOU up to 8 rates
AMI	Self-healing · Remote FW update · Auto-register
Enclosure	Ultrasonic welded · 35kV surge immune · IP54
Accuracy Class	Active: Class 1 · Reactive: Class 2 (optional)
Operating Temp.	-25°C to +70°C
Local Interfaces	Optical port (sealable) · Optional: RS485, RS232, BLE
Dimensions	232 mm × 164 mm × 73.5 mm

Single Phase Static Energy Meter

IS:13779 (2020) · BIS Certified · IRDA Communication



Utility-ready static metering — proven, certified and in production.

KEY FEATURES & SPECIFICATIONS

Standard	IS:13779 (2020) — BIS Certified
Ratings	5-30A direct connected
Communication	IRDA optical interface
Billing	Monthly billing — utility ready
Tamper Detection	Magnet · AC/DC chopping · Connection tamper
Accuracy	Active: Class 1
Utility Tamper	Utility-specific tamper detection
Enclosure	Ultrasonic welded · 35kV surge immune · IP54
Dimensions	163 mm × 133 mm × 68 mm

APPLICATIONS & DEPLOYMENT

Designed for utility residential metering programmes and conventional billing environments. A proven, low-cost platform for DISCOMs and OEMs serving markets where AMI rollout is phased — with a certified upgrade path to the iMezr smart meter platform on the same manufacturing line.

Common Platform

Shares tooling, enclosure engineering and production processes with the smart meter family.

Field Proven

Deployed in production with utility-specific tamper logic and Class 1 accuracy.

Core capabilities powering every design

A complete in-house engineering organisation — silicon to certification.



Hardware & PCB

- Multi-layer PCB design
- Schematic to BOM
- HW validation & EVT
- EMC / ESD design



Firmware & DLMS

- Bare-metal & RTOS FW
- DLMS/COSEM full stack
- AES-128 security layer
- Local / remote FOTA



Mechanical & ID

- Industrial design (ID)
- Mechanical CAD
- Ultrasonic welding design
- Custom UI / UX



Communication

- 4G / NB-IoT / RF Mesh
- Antenna design
- HES integration
- BLE, RS485, IRDA



Compliance

- IS:16444 / IS:13779
- BIS type testing
- NABL coordination
- AMISP process



Supply Chain

- BOM management
- Multi-geography sourcing
- Cost optimisation
- Vendor qualification

TYPE-TEST LABS

CPRI (Bangalore, Noida, Bhopal) · ERDA Vadodara · ERTL (North, West, East) · YMPL Udaipur

HES INTEGRATIONS DELIVERED

Trilliant · winAMR · BCITS · Inventive · Tinymesh · Cyan Connode · Jio

WHAT MAKES US DIFFERENT

The iMezr proposition to every customer

Four commitments that define how we work.



Innovation + Speed to Market

Proven design process with predictable timelines.
Multiple product variants from a common platform.
Future-ready: 4G, NB-IoT, RF, BLE, secure boot, FOTA.



Custom & Exclusive Designs

Exclusivity in product features, geography and industrial design. A portfolio built to your business strategy — not a generic reference design.



IP Protection — Customer Owns It

Rigorous IP protection across electrical, mechanical and industrial design. Strict NDA regime. Your product, your brand, your factory.



Full Visibility & Customer Control

Customer participation at every stage — design reviews, production readiness, cost breakdowns. Full transparency on BOM and opex. No black boxes.

LEADERSHIP

Parag Prasad — Founder & CEO

B.Tech, IIT (BHU) Varanasi · MBA, IIM Ahmedabad. Three decades across product engineering, manufacturing and global technology delivery — including 15 years at Infosys Technologies and two entrepreneurial ventures in product design and manufacturing. Work delivered across India, the US, Europe and China.

GET IN TOUCH

Let's build India's smart metering future — together.

We look forward to transforming your vision into a thriving smart meter manufacturing business.

Parag Prasad

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