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PNGRB

PETROLEUM AND NATURAL GAS REGULATORY BOARD

CBG Sales, Plant Pipeline Connectivity Performance

PERFORMANCE REPORT

H1 : FY 2026–27

- Waste to Clean Energy
- Higher CBG Offtake
- Stronger Pipeline Connectivity





CBG CELL

PETROLEUM AND NATURAL GAS REGULATORY BOARD

CBG sales, Plant Pipeline Connectivity Performance

H1 : FY 2026-27

CBG CELL

How to read this report

Key terms and how the numbers are measured

CBG

Compressed Biogas (CBG) is a purified and renewable gaseous fuel produced by breaking down organic waste through anaerobic digestion.

CBO

CBG Blending Obligation. The share of CBG that CGD Entities must supply. It is 3% of CNG and DPNG sold in FY 2026-27.

CNG & DPNG

CNG is gas for vehicles. DPNG is piped gas for household.

CGD / Entity, GA

City gas distribution Entity and the area it is authorised to serve.

TPD

Tonnes per day. It measures how much gas a plant can produce daily.

Cascade

CBG carried in bank of cylinders on Mobile trucks.

CBG share: CBG sold as a percentage of CNG and DPNG sold.
Units : Gas sales are in MMSCM (Million Metric Standard Cubic Meters), 1 Million kg of CBG ~ 1.36 MMSCM.

Source: Details as submitted by CGD Entities

H1 of FY 2026-27 at a glance

April - September 2026

210

Functional CBG plants

115.9

MMSCM of CBG sold (85200 MT)

1.7%

Achieved CBG share of CNG & DPNG sales within 6 months

3%

CBG target (CBO) for FY 2026-27

Total CBG sales within first six months achieved **1.7% against a target of 3% for the financial year.**

Source: Details as submitted by CGD Entities

CBG sales Analysis

MMSCM of CBG, April–September 2026

CBG sold in H1 : **115.9**

Mandated CBG sales for 3% : **408**

Required CBG quantity for H2 : **292.1**

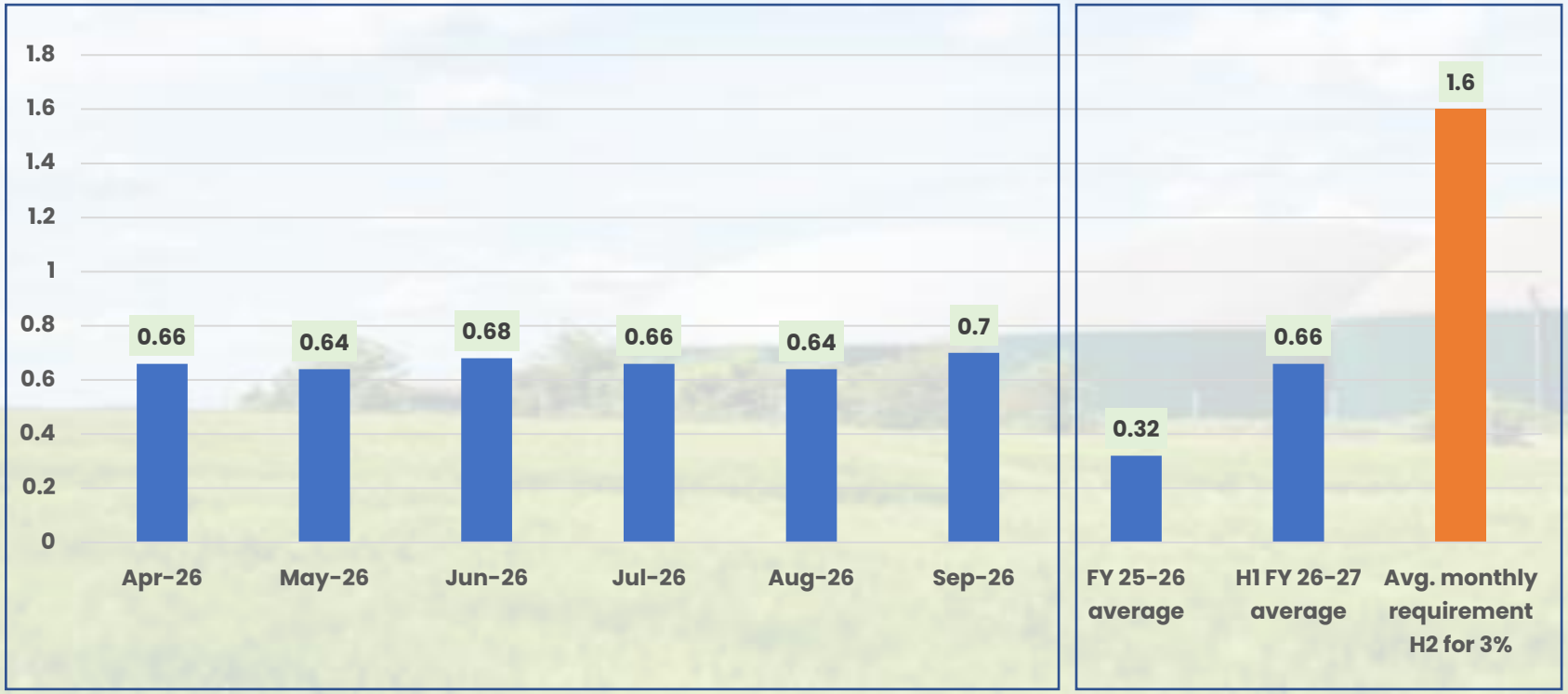


Total CNG and DPNG sales for H1 were 6800 MMSCM, Anticipated CNG and DPNG sales for entire year may be 13600 MMSCM.
So, 3% of that will be 408 MMSCM.

Source: Data submitted by CGD Entities

CBG sales must rise in H2 to reach 3%

Average Monthly CBG sales in MMSCMD (Million metric standard cubic metres per day)



Analysis

0.32 MMSCMD: Average of FY 2025-26.

0.66 MMSCMD: H1 FY 2026-27 Average

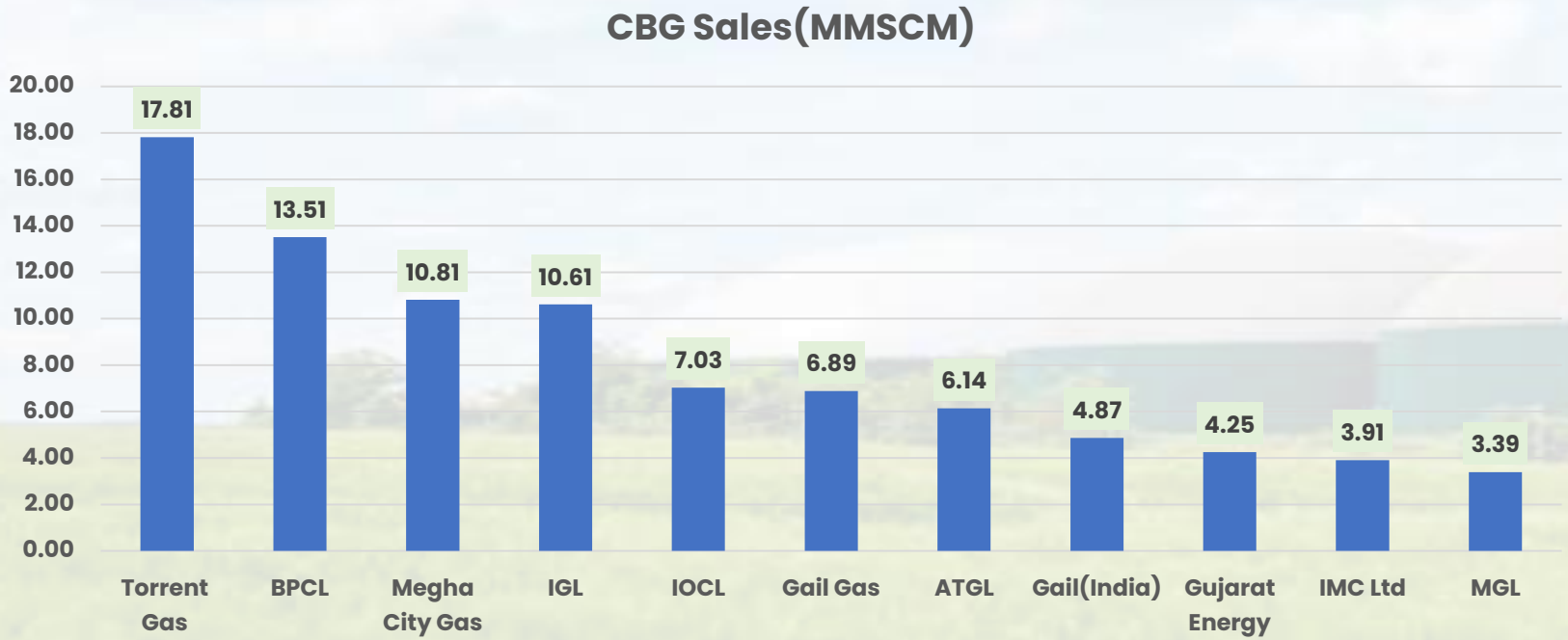
0.64–0.70 MMSCMD: Monthly sales have stayed flat for six months.

1.6 MMSCMD is needed in H2 for 3%.

H2 needed = 3% of CNG & DPNG sales (13600 MMSCM) – CBG H1 sales.

Source: CBG -CGD Synchronisation scheme

Top Ten Entities sold CBG – H1 : 74% of total



Entity	CBG Sales(MMSCM)
Torrent Gas	17.81
BPCL	13.51
Megha City Gas	10.81
IGL	10.61
IOCL	7.03
Gail Gas	6.89
ATGL	6.14
Gail(India)	4.87
Gujarat Energy	4.25
IMC Ltd	3.91
MGL	3.39

PNGRB EXCELLENCE AWARDS 2026

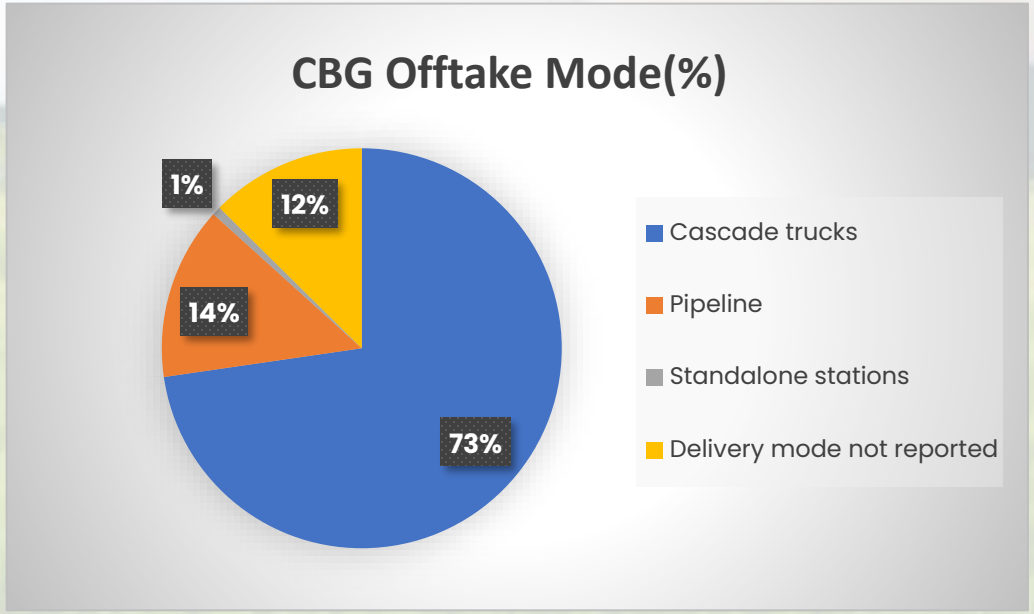
The Entity with Highest CBG Blending % in CGD for FY 25-26 – M/s Haridwar Natural Gas Limited

Source: Details as submitted by CGD Entities

Most CBG reaches customers by cascade

How the 115.9 MMSCM of CBG was delivered (% of total)

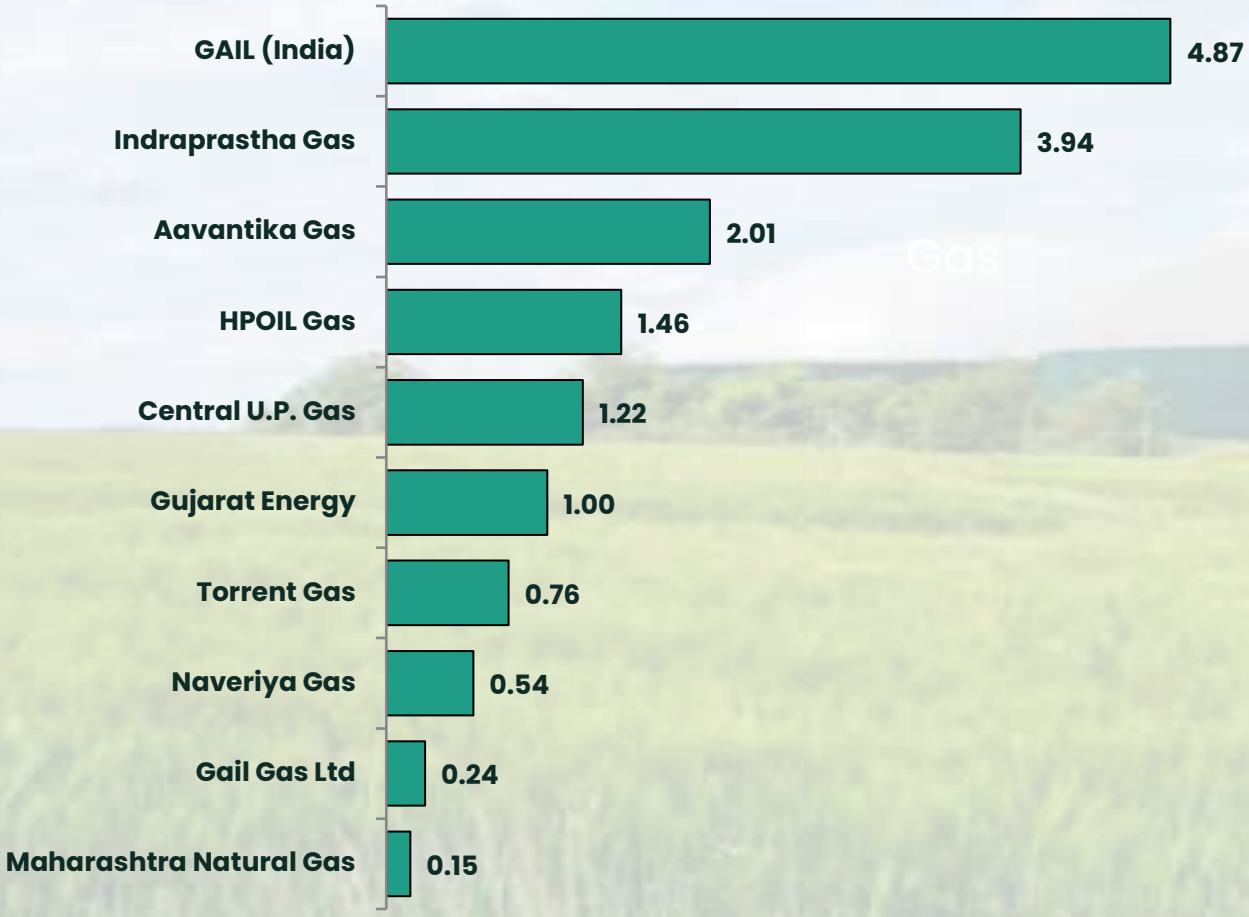
Cascade trucks (84.3 MMSCM)	**72.7%**
Pipeline (16.2 MMSCM)	**14.0%**
Standalone stations (0.8 MMSCM)	**0.7%**
Delivery mode not reported (14.6 MMSCM)	**12.6%**



Source: Data submitted by CGD companies

Entities : CBG offtake thru pipelines

CBG supplied by pipeline, in MMSCM.
Total: 16.2 MMSCM, 14% of all CBG sold



Source: Data submitted by CGD companies

54%

CBG Quantity transported thru pipelines by 2 Entities : GAIL and IGL

83%

CBG Quantity transported thru pipelines from the 5 Entities

210 functional plants, running at 44% of capacity

Capacity in tonnes per day (TPD)

2,212

Rated capacity (Designed)

982

TPD operating capacity (actual output)

44%

of designed capacity in use

A reliable pipeline connection gives CBG plant a buyer every day of the year. Plants with a pipeline, or one being built, use 65-69% of their designed capacity. Better pipeline access means better gas offtake and overall use of every plant.

Source: Data submitted by CGD companies

Only 36 of 210 plants have a pipeline connectivity

Number of functional CBG plants by pipeline status and their rated capacity

36
Connected
201 TPD

16
Pipeline being built
141 TPD

18
Pipeline planned
209 TPD

133
No plan yet
1,661 TPD

- **75% of rated capacity (1,661 of 2,212 TPD) has no pipeline plan.**
- Reasons: Plants are far from CGD and trunk pipelines, and many are too small (low capacity) for an individual pipeline to be economic. Pipeline grant approvals also taking several months, and some projects lack assured long-term offtake.
- Plants' Pipeline connectivity grew from **24** from previous year 2025-26.

Source: Data submitted by CGD companies

308 plants are being under construction : 2,908 TPD

Upcoming plants and their pipeline status

4
Connected or ongoing

11
Pipeline being built

46
Pipeline planned

247
No plan yet (80%)

With 2,448 TPD of new capacity (84% of the upcoming total) still without a pipeline plan, connectivity must be planned together with each plant, not after it. A plant that starts production with a ready pipeline can sell its gas from day one. This will lift CBG offtake and bring India closer to the 3% to 5% blending targets.

Source: Data submitted by CGD companies

What needs next

Four priorities, based on the H1 FY 2026-27 data

1. Reach the 3% target

Data: Sales are 115.9 MMSCM against 3% needed. Daily sales have been flat at about 0.66 MMSCMD and must rise in H2.

Next step: Entities should ensure more offtake besides new sourcing.

2. Connect plants to pipelines

Data: 133 functional plants (1,661 TPD) have no pipeline plan. Connected plants run at 65% of designed capacity, while others are at 40%.

Next step: Plan pipelines for the higher Capacity plants. Cluster pipelines also to be explored for full utilization of plant capacities.

3. Involvement of top tier cities

Data: IGL, MGL, Adani and Gujarat Energy sell 55% of all CNG & DPNG but cumulative limited sales of CBG is 21%.

Next step: Large size Entities need to set CBG targets and augment the offtake of CBG from CBG producers besides setting up their own CBG Plants.

4. Plan for new plants

Data: 308 plants (2,908 TPD) are under-construction, 247 of them have no pipeline plan as of now.

Next step: Make pipeline connectivity part of plant planning and start marketing since commissioning.

Source: Data submitted by CGD companies

New GOBARdhan Scheme and its Portal

Unified Registration Portal (gobardhan.eil.co.in) · Approved 6 Aug 2026 · ₹23,731 crore - FY 2026-27 to FY 2035-36

1 · ASSURED OFFTAKE

3% → 5%

CBO for city gas firms: 3% FY27, 4% FY28, 5% from FY29

2 · STABLE PRICE

₹2,110

per MMBTU (about ₹98 per kg), fixed for 10 years till March 2036.

3 · CAPITAL ASSISTANCE

₹2 cr / TPD

₹1.25 cr for the plant + up to ₹0.75 cr for machinery. Max ₹30 cr per project

4 · PIPELINES

50%

of pipeline cost funded, up to 75 km.

5 · CREDIT GUARANTEE

85%

loan cover up to ₹20 cr. No collateral on the covered part

6 · CHALLENGE FUND

₹500 cr

Top 3 districts win ₹5 Cr each

What every plant must know

- Register on the portal. The plant must be commissioned or under construction
- Assured offtake covers up to 100% of a plant's CBG, via a deal with the CGD and GAIL
- Entity must sign within 3 months. Plants can escalate after 60 days
- No penalty in Year 1. From Year 2: 90% take-or-pay, 50% supply-or-pay
- SCADA, online gas analyser and auto shut-off are mandatory

Why it matters: Strengthening India's energy security by converting organic waste into clean domestic fuel, reducing dependence on imported natural gas and promoting a circular economy.

Source: MoPNG Office Memorandum