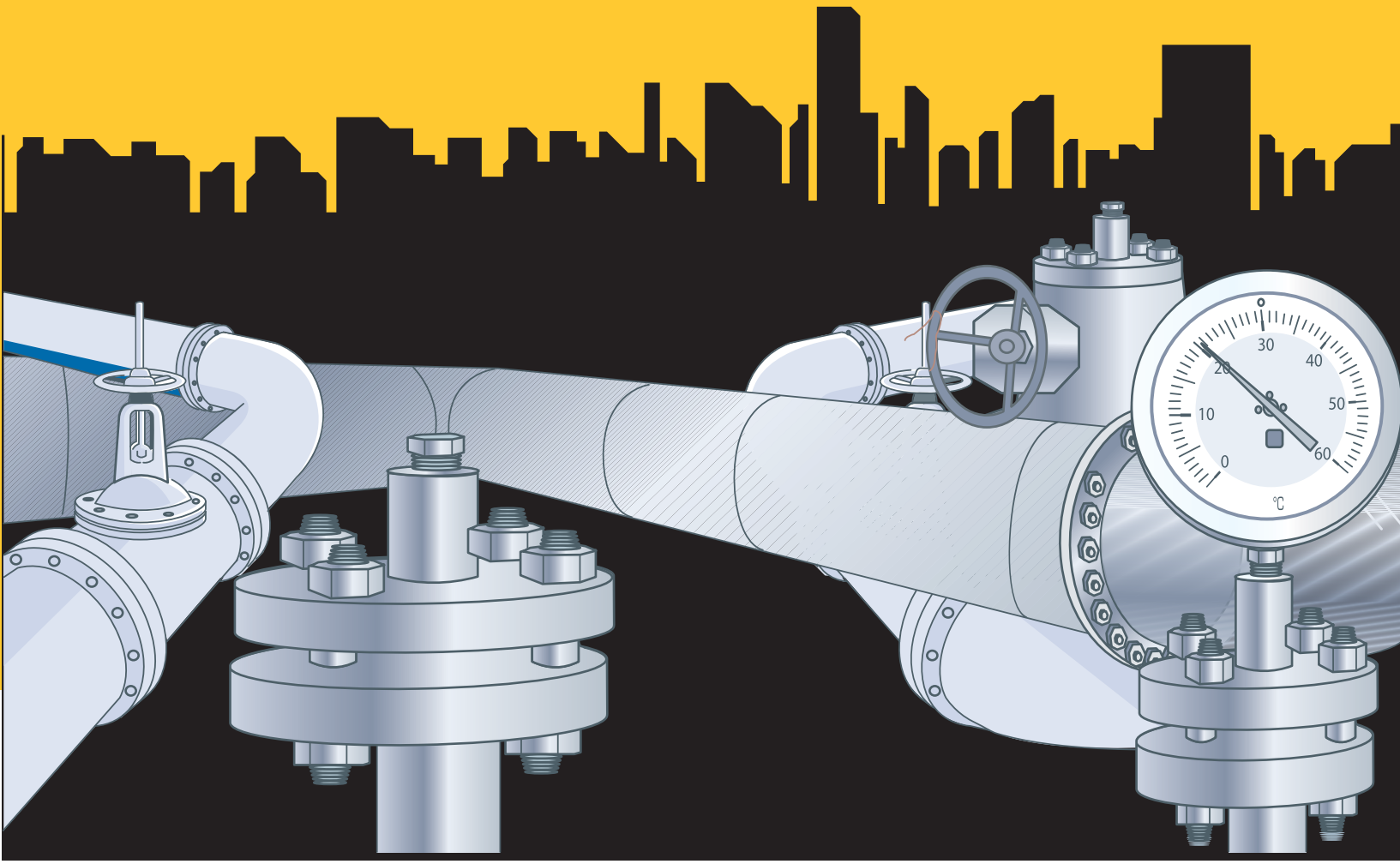
16th Edition

CITY GAS DISTRIBUTION IN INDIA

A VIRTUAL CONFERENCE

Network Growth, Regulatory Developments, New Opportunities and Future Technologies

January 21-22, 2021



Organisers:

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CITY GAS DISTRIBUTION IN INDIA

Mission

- The city gas distribution (CGD) segment has made significant headway over the past couple of years. New geographical areas (GAs) have been bid out, CNG and PNG infrastructure has grown, bigger players are expanding their presence in new cities, and a handful of global players have also entered the CGD space.
- On the regulatory front, several initiatives have been taken by the government to provide a favourable business environment to CGD entities. In a major development, the PNGRB announced that any entity can set up an LNG filling station in a GA or anywhere else. Draft regulations have been drawn up for the determination of the transportation rate for CGD after the end of the period of exclusivity. The regulatory board has also issued force majeure guidelines for city gas operators. An electronic platform for gas trading is also expected to be authorised by November this year.
- The ongoing Covid-19 pandemic has certainly brought about a series of unprecedented challenges for the CGD sector. The roll-out of CGD projects has been delayed due to labour availability issues, delays in getting approvals and deferment of investments. CGD entities have also suffered revenue losses due to a reduction in demand from the transport, commercial and industrial segments. Gas demand is expected to gradually limp back to normal in the near term, supported by low gas prices.
- As the sector progresses towards normalcy in operations, the industry is keenly awaiting the bidding process for the 11th round, which was postponed on account of the pandemic. The PNGRB is working on a revised set of regulations for the upcoming round and proposes to offer 44 new GAs under it.
- The implications of the virus outbreak have also pushed the CGD sector to look at technology solutions for facilitating its operations. Increasing the deployment of advanced IT-OT convergence solutions such as ERP, SCADA, terminal automation systems, smart metering, CRM, GIS and satellite surveillance are finding an increasing number of takers, who are looking to monitor their assets with greater precision and in real time.
- In the coming years, the CGD segment is expected to maintain a high growth trajectory. More than Rs 1.2 trillion is expected to be invested in the development of CGD infrastructure over the next four to five years. Gas demand from the CGD sector is expected to reach 50-55 mmscmd by then. However, effective execution of regulatory changes, timely completion of pipeline connectivity projects and development of skilled manpower will be essential for ensuring faster development of infrastructure.
- **The mission of this two-day virtual conference is to analyse the emerging trends and regulatory developments in the CGD sector, understand the impact of Covid-19 on project execution, gas sales and future investments, and highlight the key opportunities and challenges. The conference will provide a platform to showcase recent innovations in technology and equipment, noteworthy projects and best practices.**

Target Audience

The conference is targeted at:

- Gas distributors
- Gas marketers/suppliers
- Policymakers and regulators
- Infrastructure builders
- Natural gas producers
- State development agencies
- Engineering and design firms
- Pipeline manufacturers
- Leak detection solution providers
- Technology providers
- Meter manufacturers
- Material technology providers
- Consulting and legal firms
- Pipeline operators
- Industrial consumers
- IT solution providers (SCADA, GIS, ERP, etc.)
- Financial institutions
- Etc.

Previous Speakers:

D.K. Sarraf
Chairperson, Petroleum and Natural Gas Regulatory Board

E.S. Ranganathan
Managing Director, Indraprastha Gas

Rajeev Mathur
Executive Director, GAIL (India)

Suresh Manglani
Chief Executive Officer, Adani Gas

A. Ramana Kumar
Managing Director, Sabarmati Gas

Rajiv Sikka
Chief Executive Officer IndianOil-Adani Gas

Ravi Agarwal
Executive Director GAIL

Shashwat Agrawal
Senior Vice President, Mahanagar Gas Limited

Ranjan Dwivedi
Managing Director, Central UP Gas

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AGENDA/STRUCTURE

KEY TRENDS, DEVELOPMENTS AND POST-COVID-19 OUTLOOK

- What have been the key trends and developments in the CGD sector?
- What has been the overall impact of Covid-19 on the sector? What has been the industry response to the pandemic?
- What will be the key priority areas in the post-Covid world? What is the outlook for the sector?

CGD OPERATORS' VIEWPOINT: NETWORK GROWTH AND KEY LESSONS FROM THE COVID-19 CRISIS

- What is the current status of the CGD networks operated by your company (with regard to CNG stations, PNG consumers, steel & MDPE pipelines, etc.)?
- What are the current gas supply sources? What are the future gas requirements?
- What has been the impact of COVID-19 on project execution? How are you planning to meet your MWP targets for the authorised GAs?
- What are the company's future network expansion plans? What are the capex requirements?

PNGRB'S PERSPECTIVE: KEY DEVELOPMENTS AND REGULATORY OUTLOOK

- What is the progress on the various bidding rounds? What are some of the recent regulatory initiatives taken by the PNGRB?
- What are the plans and timelines for the launch of the 11th round of CGD bidding? What are the specific network expansion plans and investment requirements?
- What are the changes expected in bidding strategies for the upcoming rounds? What is the regulatory outlook?

OPPORTUNITIES UNDER THE 11th BIDDING ROUND

- What are the specific features of the 11th round of CGD bidding (no. of GAs, population, CNG network, PNG network, steel and MDPE pipelines, etc.)?
- What are the plans and tentative timelines for the launch and conclusion of the bidding process?
- What are the investment requirements?
- What are the upcoming opportunities for key stakeholders?

FOCUS ON CNG: CURRENT AND UPCOMING INFRASTRUCTURE

- What is the current status of CNG infrastructure in the country?
- What has been the progress with regard to CNG stations in the GAs authorised in the ninth and tenth bidding rounds? What are the network expansion plans in the operational GAs?
- How are CGD companies ensuring effective network operations during Covid-19? What are the key issues and challenges?

FOCUS ON PNG: CURRENT AND UPCOMING INFRASTRUCTURE

- What is the current status of PNG infrastructure in the country?
- What has been the progress with regard to PNG connections in the GAs authorised in the ninth and tenth bidding rounds? What are the network expansion plans in the operational GAs?
- How are CGD companies ensuring effective network operations during Covid-19? What are the key issues and challenges?

UPDATE ON PIPELINE INFRASTRUCTURE

- What is the status of the approved and announced pipeline projects?
- What are the investments expected in this segment?
- What are the key issues and challenges? How are they being addressed?

DOMESTIC GAS AND LNG SUPPLY

- What are the current requirements of the CGD sector? What is the current mix of domestic gas and R-LNG?
- What are the gas sourcing strategies? Have they changed in the past six months due to the Covid-19 pandemic?
- What is the outlook for gas supply?

COST ECONOMICS AND EMERGING BUSINESS MODELS (DODO, LCNG, ETC.)

- What factors determine the business viability of CGD projects? What are the key cost components and revenue sources?
- How has the cost competitiveness of alternative fuels impacted the demand for CNG and PNG?
- What are the new models being adopted to facilitate the development of CNG stations (DODO, LCNG, etc.)? What are the cost savings expected through the use of these models?

FOCUS ON NETWORK DESIGN, PLANNING AND OPERATIONS

- What has been the CGD companies' experience in network design, planning and operations?
- What are some of the best practices and noteworthy initiatives in this space?
- What have been the biggest challenges faced? What are the lessons learnt?

METERING PRACTICES: NEW TECHNOLOGIES AND EMERGING REQUIREMENTS

- What are the current metering solutions used by CGD operators (AMR, LoRAWAN, Prepaid, IoT meters, etc.)?
- What has been the experience so far in the adoption of these solutions? What are the new trends and advancements?
- What are the key issues and concerns?

DIGITALISATION OF ASSET MANAGEMENT: ROLE OF AUTOMATION AND INSTRUMENTATION

- What is the role of IT and automation systems in the O&M of CGD networks? What has been the implementation experience and learnings?
- What are the new and emerging asset management-related requirements due to Covid-19 (big data, SCADA, GIS, etc.)?
- What are the issues and concerns? What is the way forward?

FUTURE TECHNOLOGIES FOR POST-COVID-19 OPERATIONS (IOT, AI, ML, BLOCKCHAIN, ETC.)

- What are the future technologies that will hold relevance in the post-Covid-19 world?
- What has been the experience is using these digital technologies? What are the costs and benefits?
- What are the potential challenges in the adoption of these technologies?

EQUIPMENT SHOWCASE

- What are the new and emerging requirements in terms of equipment for the CGD sector?
- What has been the industry experience with the use of this new equipment?
- What are the key challenges in the adoption of this equipment? What is the future outlook?

CITY GAS DISTRIBUTION IN INDIA

The city gas distributors that have participated in the conference include:

The participants at the conference on *"City Gas Distribution in India"* included:

Aarvi Encon, ABB, Accenture, ACE GAS Conversions, ACME, Adani Gas, AG&P, Agi-Glaspac, Al Aziz, Allard India Private, Ambetronics Engineers, AMP Capital Advisors, Anacon Process Control, APGIC, Ario Infrastructure, Arrukn Consultation, Arush Gas Technology, Asahi Glass, Ashoka Buildcon, Assam Gas, AT Kearney, Auctus Advisors, Avantha, Avantika Gas, Avineon, Basell Polyofins, BASG, Beckhaul Technology, Berry Plastics, BG Exploration and Production, Bhagyanagar Gas, Bharat Petroleum, Bhotika Pipeline, Bombay Tools Centre, Borouge, BP Exploration (Alpha) India, BPCL, Bridge and Roof, Burckhardt, Bureau Veritas (India) Pvt. Ltd. Tel., Cairn India Limited, Calcutta Fluid System Components (Tubacex Group), Captiva Energy Solutions, Caterpillar Commercial, CEIL, Central UP Gas, Central Warehousing Corporation, Charotar GAS Sahakari Mandali Ltd., Chemtrols, Chevron, Clarke Energy, Comfit & Valves Pvt. Ltd., CPL Energy India, CRISIL, Cryogas, Cyient, Daniel Measurement Solutions, Denso, DNV-GL , Dolat Capital Market, Duraline, East India Petroleum, Eastern Gas, EIL, Elara Capital, Emerson, ESAB, ESP Safety, Esri India Technologies, Essar Oil, Evonik, ExxonMobil, EY, Feedback Business Consulting, Feedback Ventures, Ferranti, Fike Safety, Fluid Controls, Fornovogas , Fujitsu, GAIL, Gainwell Commosales, Gardner Denver, Gas Natural Fenosa, Gasvigil Technologies, GE India Industrial, GE Oil & Gas, GE Sensing, GE T&D, Genus Power, Georg Fischer Piping Systems, Germanischer Lloyd Industrial Services GmbH, GLNoble Denton, Glynwed, GMMCO, GMR Energy, Goa Natural Gas, Green Gas, Greenfuel Energy Solutions, GSPC, Gujarat Gas, Gujarat Glass, HandyTube Corporation, Hansa Management Services, Haridwar Natural Gas, Haryana City Gas Distribution, HCC, Heath Consultants, Hitachi, Hoerbiger Wien GmbH, Honeywell, HPCL, ICF, ICICI Bank, ICPCI, ICRA, ICRA Limited, IDBI, IDCO, IDFC, IFC, IGL, IMC Limited, Imkemex, India Ratings & Research, Indian Gas Exchange, Indian Oil Corporation, Indian Oil-Adani Gas, Indraprashta Gas, Inel Gas Controls , Innovative Automation, Institute of Asset Integrity & Reliability Management, Instromet, Intertek, IOCL, IRM Energy, Ispat Energy, Itron, Jai Hind Projects, Jain Irrigation Systems, Josler Hydrocarbons, Jubilant Energy, Jyotech Engg. & Mktg. Consultants, Katlax, Kawasaki, Kimplas Piping, Kirloskar Oil Engines, Kirloskar Pneumatics, Kotak Mahindra, Kotak Securities, KPMG, KSIDC, L&T Valves, Lanco, Leister Technology, LocusView, Lucky Investment Managers, Luxfer Uttam India, MagikMinds Software Services, Magnatech Smartgrid Solutions, Mahanagar Gas Limited, Maharashtra Natural Gas, Maharashtra Seamless, Mahesh Gas, Makwana Engineering, McElroy, Mecon, Mehta Brothers & Co.(Oventrop), Meter Sit Srl - Inel Gas, MIDC, Mitsui & Co., MoPNG, Morgan Stanley, Motilal Oswal Securities, Mott Macdonald, MSA (India) Limited, Natural Gas Society, NCC, Neet-Vasant, Nirmal Industrial Controls, NTPC, NYK Line, OCS OIL-Tech Consultancy LLP, OIL & GAS Plant Engineers, Oil India, ONGC, Oracle, OSI, Pahwa MetalTech, Panam Engineers, Pandit Deendayal Petroleum University, Parker Hannifin, PDIL, Perma-Pipe India Pvt. 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Ltd., Shell, SICK Engineering GmbH, Simon Carves, Singhania System Technologists, Siti, SKN Haryana City GAS Distribution, Smart Energy Water, Spark Capital Advisors, Spice Energy, SRG Engineering Pvt Ltd, SSP Fittings, State Bank of Hyderabad, State Bank of India, State Industrial Development Corporation, Sterling & Wilson, Super Technical, Suraksha Products, Surya Roshni Limited, Swagelok, Systematix Shares and Stocks, Tata Consulting Engineers Limited, Tata Power, TDW India, Technip KT, Techsol Engineers, TGE Engineering, The Corporate Group, THINK Gas Distribution, TIL, Torrent GAS , Torrent Power, Toyota Kirloskar Motor, Tractebel Engineering, Tractors India Private Limited, Trimble Navigation, Tripura Natural Gas Co.Ltd, Tulip Compression Private Limited, Tulip Energy Pvt Ltd, U3S Chemsolutions, Uniphos Envirotronic Pvt Ltd, Unique Hydrographic Systems Pvt. Ltd., Valogin Technology, Vargo Petro-Tech, Varicon Pumps & Systems Pvt Ltd, VCS Quality Services, Veekay Plast, Warburg Pincus, Wärtsilä, Welspun Corp Ltd., Welspun Infratech, Wipro, Zapp Materials Engineering GmbH, Zhejiang, etc.

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What differentiates our conferences?

- The **agenda** is developed by our researchers, who track the sector round the year. It is thus **relevant** and **topical**. It is not driven by a particular organisation and does not have a particular slant.
- The **speakers** are **professionals** and **experts** involved in the sector, not a mix of ambassadors, ministers, celebrities and business owners.
- The conferences do not just comprise panels and speeches; they provide a good mix of **expert presentations** and **case histories**, and of course **panel discussions**.
- We have **representation** from **across the country**, as is the case at our physical conferences too.
- Each **stakeholder group** – **policymakers**, **developers**, **financiers**, **consultants** and **relevant NGOs** – is represented at our conferences.
- The moderators merely ask the questions. The **stars** are the **speakers** themselves.
- The **sessions begin and end on time**.
- There is adequate time for a **Q&A session** with **each speaker**. These are not "hit and run" speeches.
- The **delegates** are **professionals** who are vested in the sector, and are not just assembled through social media.
- A **recap** of the conference is also made available to reinforce the key takeaways.

Delegate benefits (Virtual Conference)

- Direct interaction with senior speakers (Q&A facility)
- Easy connectivity to geographically dispersed delegates (click of a mouse)
- Cost effective (lower ticket price as compared to a physical conference)
- Offers flexibility and convenience
- Access to conference recording
- Recap of conference sessions
- Contributes to sustainability and lower carbon footprint

Benefits of sponsorship (Virtual Conference)

- E-Meet influencers and decision-makers/
- Reach out to and engage with new or active prospects
- Generate high quality sales leads
- Increase brand recognition
- Target a captive and engaged audience
- Drive website traffic through social media promotions
- Position your company as the thought-leader in your industry

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Registration Fee

	INR	GST@18%	Total INR	Total USD
1 Login	9,000	1,620	10,620	150
2 - 3 Logins	15,000	2,700	17,700	250
4 - 5 Logins	21,000	3,780	24,780	350
6 - 9 Logins	27,000	4,860	31,860	450
10 - 20 Logins	33,000	5,940	38,940	550

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- There is a 15 per cent discount before December 30, 2020
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- Registration will be confirmed on receipt of the payment.

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- Full payment must be received prior to the conference.
- Payments for "early bird" registrations should come in before the last date of discount. Discount offers cannot be combined with any other offer.
- Conference fees cannot be substituted for any other product or service being extended by India Infrastructure Publishing Pvt. Ltd.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors. The company publishes **Indian Infrastructure, Smart Utilities, Power Line** and **Renewable Watch**. It also publishes the **City Gas Distribution Market in India report, Gas in India report, Oil & Gas News** (a weekly newsletter) and the **Oil & Gas Directory and Yearbook**. The group also operates **www.cgdindia.co** to provide decision makers with information, analysis and insight on the sector in India that are of interest and relevance to CGD network operators, technology providers, investors, regulators, consultants and other concerned organisations.

Cover pic courtesy: shutterstock images

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