

# NGV India 2010 Preliminary Conference Programme

Theme: Meeting the Demands of India's Surging NGV Growth



24 NOVEMBER 2010 – DAY 1

08:00 – 10:00

**Registration (Hall 6)**

09:30 – 10:00

*Morning Refreshment – Kindly Sponsored by GAIL Gas*



10:00 – 12:00

**OPENING CEREMONY** – Includes Opening of the Conference and Exhibition

**Sarawati Vandana and Cultural Performance**

**Welcome Address Mr. David Aitken – Managing Director, BES Ltd., Allworld Exhibitions (UK)**

**Opening Remarks Mr. B.C. Tripathi – Chairman & Managing Director, GAIL (India) Ltd., Chairman, GAIL Gas Ltd.**

**Guest Patron Addresses**

**Mr. Brett Jarman – Executive Director, NGV Global, New Zealand**

**Mr. Shinzo Nakanishi – Managing Director and CEO, Maruti Suzuki India Limited**

**Dr. Bhure Lal – Chairman, Environmental Pollution Control Authority (EPCA)**

**Mr. L. Mansingh – Chairman, Petroleum & Natural Gas Regulatory Board**

**Mr. Jitin Prasada – Minister of State for Petroleum & Natural Gas**

**Vote of Thanks Mr. Prabhat Singh – Director (Marketing), GAIL (India) Ltd.**

**Guest Patrons**

**Mr. Kwang-Jun Lee – Mayor of Chuncheon City, South Korea**

**Mr. Brendan Kelly – Chairman, Allworld Exhibitions, UK**

**Mr. Lee Giok Seng – Executive Director, Asia Pacific Natural Gas Vehicles Association (ANGVA), Malaysia**

12:00 – 12:30

**EXHIBITION OPENING**

**Tour of the Exhibition**

12:30 – 14:00

*Lunch Break – Kindly Sponsored by GAIL Gas*



Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by



14:00 – 16:00	<p><b>KEYNOTE SESSION – The future of NGV</b></p> <p>With demand for natural gas vehicles reaching prolific levels of growth in India, this keynote session will address the question, is the projected growth of NGV use in India achievable? Industry leaders will outline the key factors along with an overview of the current status and roadmaps for the future.</p> <p><b>Session Chairman: Mr. Prabhat Singh – Director (Marketing), GAIL (India) Ltd.</b></p>
14:00 – 14:05	Opening Remarks – Session Chairman
14:05 – 14:25	<p><b>Safety and Regulatory Update</b></p> <p><b>Mr. T.R. Thomas – Joint Chief Controller of Explosive, The Petroleum and Explosives Safety Organisation (PESO)</b></p> <p><i>An overview of the safety measures in place to regulate the manufacture, import, export, transport, possession, sale and use of compressed gases for vehicle use in India.</i></p>
14:25 – 15:00	<p><b>Global Overview and Future Projections</b></p> <p><b>Mr. Brett Jarman – Executive Director, NGV Global</b>  <b>Mr. Lee Giok Seng – Executive Director, Asia Pacific Natural Gas Vehicles Association (ANGVA)</b></p> <p><i>A global industry overview will be provided courtesy of the International Association for Natural Gas Vehicles, with particular focus on the main growth areas for the industry, both geographically and in terms of new technology and vehicle type. A specific Asian overview will be provided by the Asia Pacific Natural Gas Vehicles Association with a summary of key regional trends.</i></p>
15:00 – 15:25	<p><b>OEMs Responding to the Challenges</b></p> <p><b>Mr. Mayank Pareek – Managing Executive Officer, Marketing and Sales, Maruti Suzuki India Limited</b></p> <p><i>Addressing the challenges facing OEM vehicle manufacturers, with a focus on how they are reacting to new standards such as the introduction of Euro 4 and further regulations. Also covered will be the OEM vehicle manufacturer’s response to increased demand for heavy vehicles and the production plans currently underway.</i></p>
15:25 – 15:50	<p><b>Roadmap for Development</b></p> <p><b>Mr. Prabhat Singh – Director (Marketing), GAIL (India) Ltd.</b></p> <p><i>GAIL Ltd. is playing a key role in the establishment of the natural gas distribution network across the country. This presentation will outline the roadmap for natural gas supply and distribution in the coming years, providing timeframes for project advancement and an overview of the joint ventures and partnerships involved.</i></p>
15:50 – 16:00	Closing Remarks – Session Chairman
16:00 – 16:30	<p>Refreshment Break – Kindly Sponsored by Mahanagar Gas Limited</p> 

Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by



## 25 NOVEMBER 2010 – Day 2

09:30 – 10:00

Morning Refreshment – Kindly Sponsored by Indraprastha Gas Limited



10:00 – 11:50

### PLENARY SESSION 1 – Maharashtra State Case Study

Home to India's most populous city and the country's largest fleet of NGV vehicles, Maharashtra State represents a market of enormous potential for industry expansion. This session explores the challenges and results of projects in the state with focus on the lessons learnt and potential for application in other cities throughout India.

**Session Chairman: Dr. Bhure Lal – Chairman, Environmental Pollution Control Authority**

10:00 – 10:20

Opening Remarks – Session Chairman

10:20 – 11:00

### Fuelling the Growth of Mumbai's NGV Industry

**Mr. V.C. Chittoda – Managing Director, Mahanagar Gas Ltd.**

With MGL's CNG already powering over 200,000 vehicles in the city of Mumbai alone, this presentation will provide an overview of MGL's Joint Ventures and partnerships, focussing on the current and future projects in their bid to increase CNG usage whilst actively reducing pollution in the city.

11:00 – 11:40

### Transition from Diesel to CNG – A Fleet Operator's Perspective

**Mr. S.N. More – Chief Manager (Works), BEST (Brihanmumbai Electric Supply & Transport Undertaking)**

As operator of the largest fleet of CNG vehicles in the state, this presentation will provide an overview of the challenges faced in transition from diesel to CNG, and how any problems were overcome.

11:40 – 11:50

Closing Remarks – Session Chairman

11:50 – 13:00

Lunch Break – Kindly Sponsored by Everest Kanto Cylinder Limited



13:00 – 14:40

### TECHNICAL SESSION – Vehicle Application and CNG Development

This session explores the latest in technological advancement in the natural gas for vehicles industry. Issues related to storing, transporting and optimising CNG for natural gas vehicle use will be analysed.

**Session Chairman: Mr. B.S. Negi – Member, Petroleum & Natural Gas Regulatory Board (PNGRB)**

13:00 – 13:10

Opening Remarks – Session Chairman

13:10 – 13:30

### A Psychological Approach to the Composite CNG Pressure Vessel Safety Issues

**Mr. Fabio Fracasso – Business Unit Manager, SEPMA SRL, Italy**

13:30 – 13:50

### The Future is Light - Status and Future of High Pressure Cylinder Technology for NGVs and Transportation of CNG, Biogas and Hydrogen

**Mr. Frank Häberli – Director, Sales & Marketing, Raufoss Fuel Systems AS, Norway**

13:50 – 14:10

### CNG Regulatory Trends and Challenges for Development of Euro-V CNG Engine

**Mr. S.D. Rairikar – Automotive Research Association of India (ARAI)**

14:10 – 14:30

### Electronic Pressure Regulator for CNG Applications

**Mr. Denis Clozza – Technical Director, India, Landi Renzo**

Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by



14:30 – 14:40 Closing Remarks – Session Chairman

14:40 – 15:00 Refreshment Break – Kindly Sponsored by Chicago Pneumatic



15:00 – 17:30 **SAFETY SESSION**  
**Mini Case Studies**

15:00 – 15:30 **Keeping the Industry Safe – Regulatory Practices in Argentina and Harmonising Standards Around the World**  
**Mr. Diego Goldin – Pro GNC, Argentina**

15:30 – 16:00 **CNG Cylinder and Vehicle Installation Verification at the Point of Refuelling**  
**Mr. Brett Jarman – Executive Director, NGV Global**  
*Preliminary findings from NGV Global's position paper.*

16:00 – 17:30 **SAFETY PANEL DISCUSSION**  
Industry specialists and government regulatory bodies discuss the latest developments in NGV safety and policy.

**Session Moderator: Mr. Lee Giok Seng – Executive Director, Asia Pacific Natural Gas Vehicles Association (ANGVA)**

16:00 – 16:10 Opening Remarks – Session Chairman

**Panellists**

**Dr. Bhure Lal – Chairman, Environmental Pollution Control Authority**

**Mr. Allan Perrin – Technical Director, Mahanagar Gas Limited (MGL)**

**Dr. S.S. Thipse – Senior Assistant Director, Automotive Research Association of India (ARAI)**

**Mr. Alok Sharma – General Manager (HSE), Indraprastha Gas Limited (IGL)**

**Mr. Diego Goldin – Pro GNC, Argentina**

17:20 – 17:30 Closing Remarks – Session Chairman

Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by



## 26 NOVEMBER 2010 – Day 3

09:30 – 10:00

Morning Refreshment – Kindly Sponsored by Nitin Cylinders Limited



10:00 – 12:00

### PLENARY SESSION 2 – OEM Round Table Discussion

This session will focus on the latest initiatives in CNG from the world's leading NGV manufacturers including current and future product offerings and the effects NGV has on the Economy, Environment and End user.

**Session Moderator: Mr. K.K. Gandhi – Executive Director (Technical), Society of Indian Automobile Manufacturers (SIAM)**

10:00 – 10:10

Opening Remarks – Session Chairman

#### Panellists

**Dr. Mathew Abraham – General Manager, Alternate Fuel & Advanced Technologies, Mahindra & Mahindra Ltd.**

**Mr. Anoop Bhat – Deputy General Manager, Maruti Suzuki**

**Mr. Dick Kauling – Engineering Manager, General Motors**

**Mr. Sanjay Shyamanur – Executive Director, Sagas Auto Tec Pvt. Ltd.**

**Mr. Deepak Kulkarni – Divisional Manager (Development), ERC, Pune, TATA Motors**

11:50 – 12:00

Closing Remarks – Session Moderator



12:00 – 13:30

Lunch Break – Kindly Sponsored by Mahanagar Gas Limited

13:30 – 14:50

### TECHNICAL SESSION 2– Vehicle Application and CNG Development

This session explores the latest in technological advancement in the natural gas for vehicles industry. Issues related to storing, transporting and optimising CNG for natural gas vehicle use will be analysed.

**Session Co-Chairman: Mr. U.D. Bhargale – Deputy Director, International Centre for Automotive Technology**

13:30 – 13:40

Opening Remarks – Session Chairman

#### Sandvik Production Process for CNG - The Safety Angle

13:40 – 14:00

**Mr. Vikram Pandit – Technical Marketing Manager, Sandvik Materials Technology**

14:00 – 14:20

#### CNG Compressors in India

**Mr. Ravindra Deshpande – Business Development Manager CNG, Atlas Copco / Chicago Pneumatic**

14:20 – 14:40

#### Future of CNG Bulk Storage and Transportation

**Mr. A.D. Inamdar – President, Everest Kanto Cylinders Limited**

14:40 – 14:50

Closing Remarks – Session Co-Chairman

Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by



14:50 – 16:00	<p><b>Panel Discussion – “Could India Become the World’s Largest NGV Market?”</b></p> <p>This session will focus on the factors standing in the way of India becoming the world’s largest NGV market and the strengths that support it. The policy adjustments required to make such a goal a reality will also be discussed.</p> <p><b>Session Chairman: Mr. Naresh Kumar (IAS) – Chairman-cum-Managing Director, Delhi Transport Corporation (DTC)</b></p> <p><b>Session Co-Chairman: Mr. Brett Jarman – Executive Director, NGV Global</b></p>
14:50 – 15:00	<p>Opening Remarks – Session Chairman</p> <p><b>Mr. Manu Srivastava (IAS) – Director, Ministry of Petroleum &amp; Natural Gas</b>  <b>Mr. Rajesh Vedvyas – Managing Director, Indraprastha Gas Limited (IGL)</b>  <b>Mr. Lee Giok Seng – Executive Director, Asia Pacific Natural Gas Vehicles Association (ANGVA)</b>  <b>Dr. R.K. Malhotra – Director, Indian Oil Corporation Ltd. (IOC) R&amp;D Centre</b></p>
15:50 – 16:00	<p>Closing Remarks – Session Chairman</p>
16:00 – 16:30	<p><i>Refreshment Break – Kindly sponsored by Maruti Suzuki India Limited</i></p>
16:30 – 17:00	<p><b>Closing Ceremony</b></p> <p>16:30 – 16:40 <b>Closing Remarks – Mr. Prabhat Singh – Director (Marketing), GAIL (India) Ltd.</b></p> <p>16:40 – 16:50 <b>Closing Remarks – Mr. Manu Srivastava (IAS) – Director, Ministry of Petroleum &amp; Natural Gas</b></p> <p>16:50 – 16:55 <b>Global Industry Round-up – Mr. Brett Jarman – Executive Director, NGV Global</b></p> <p>16:55 – 17:00 <b>Conference &amp; Exhibition Report – Mr. David Aitken – Managing Director, BES, Allworld Exhibitions (UK)</b></p>



Supported by



Host Facilitator



Platinum Sponsor



Official Vehicle Sponsor



Organised by

