

## Appendix – K

### Session on Smart City Gas Distribution

15 March 2019 | Ashoka Hall, Manekshaw Centre | 11:30 ~ 17:30

In collaboration with Indraprastha Gas Ltd (IGL),

GAIL (India) Ltd and Natural Gas Society (NGS)



Time	Session Details
11:30 – 12:00	<p><b>Inauguration of Smart City Gas Distribution Session</b></p> <p><b>Welcome Address:</b> ISGF</p> <p><b>Special Addresses:</b></p> <ul style="list-style-type: none"><li>- ES Ranganathan, Managing Director, IGL</li><li>- BC Tripathi, Chairman and Managing Director, GAIL*</li></ul> <p><b>Vote of Thanks:</b> Natural Gas Society (NGS)</p>
12:30 – 13:15	<p><b>Policy and Regulatory Support</b></p> <ul style="list-style-type: none"><li>• <b>Cooperation amongst UTILITIES (Electricity, Gas and Water) in a Smart City</b><ul style="list-style-type: none"><li>○ Collective Voice with Regulators and Municipal Authorities</li><li>○ Share Training and Capacity Building Resources</li><li>○ Share Success Stories and Failures</li></ul></li><li>• <b>Sharing of Digital Assets amongst UTILITIES (Electricity, Gas and Water)</b><ul style="list-style-type: none"><li>○ Common Billing and Collection System</li><li>○ Sharing of GIS Maps</li><li>○ Sharing of Last Mile Communication Infrastructure for Automation and Smart Metering</li><li>○ Common Call Centre for All Services</li><li>○ Common Data Centre for All UTILITIES</li></ul></li></ul> <p><b>Chair and Moderator:</b> Vivek Joshi, NGS</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"><li>• ES Ranganathan, Managing Director, IGL*</li><li>• Sanjay Banga, CEO, TPDDL</li><li>• Asha Lakhra, Mayor, Ranchi</li><li>• Mahindra Singh, Secretary, DERC</li><li>• Hardeep Rai, CEO, Think Gas Distribution Pvt Ltd</li></ul>
13:15 – 14:00	<b>NETWORKING LUNCH</b>
14:00 – 15:00	<p><b>Natural Gas - Demand and Supply Scenario</b></p> <ul style="list-style-type: none"><li>• Outlook of Natural Gas and Future Trends</li><li>• Gas Availability, Network Issues and City Gas Distribution Trends</li><li>• Emerging Developments in the Natural Gas Vehicle Market</li><li>• Challenges: Gas Distribution Loss and Waste Minimization</li></ul>

	<p><b>Chair and Moderator: VC Chittoda</b>, Natural Gas Society</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Sushil Kumar</b>, General Manager, GAIL</li> <li>• <b>Rahul Bharati</b>, Head of Regulatory Affairs, Maruti*</li> <li>• <b>Jiledar</b>, MD, Green Gas Ltd</li> <li>• <b>Ravi Aggarwal</b>, MD, Rajasthan Gas Ltd</li> <li>• <b>Amit Mathur</b>, Additional General Manager, IGL</li> </ul>
<b>15:00 – 16:00</b>	<p><b>New Technologies, Innovations and Trends in City Gas Distribution</b></p> <ul style="list-style-type: none"> <li>• SCADA and GIS</li> <li>• Digitalization: Smart Metering, Meter Data Management, Analytics and Dash Boards, IT and OT Convergence</li> <li>• Cyber Security</li> <li>• Bio-CNG</li> <li>• Fast Filling Dispensers, Modular and Mobile CNG Stations</li> </ul> <p><b>Chair and Moderator: Raman Srivastava</b>, CGM, IGL</p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>AM Tambekar</b>, MD, MNGL</li> <li>• <b>SK Agarwal</b>, CGM, GAIL</li> <li>• <b>Abhijeet Mukherjee</b>, MGL</li> <li>• <b>Randeep Agarwal</b>, APLNG Technical Manager, Australia Pacific LNG</li> <li>• <b>Dharmender Tomar</b>, Tata Communications Ltd</li> <li>• <b>Avinash Kumar</b>, Vice President, Sales, Smart Energy Water</li> <li>• <b>Balu Ramasamy</b>, Master Principal Solution Consultant, Oracle Utilities</li> <li>• <b>Anupam Garg</b>, Industry Business Architect, Utilities, SAP</li> <li>• <b>Kush Mishra</b>, CTO, Senra Tech Pvt Ltd</li> </ul>
<b>16:00 – 16:15</b>	<b>Closing Remarks and Vote of Thanks by ISGF</b>