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Conference on

OIL AND GAS TRANSPORTATION AND STORAGE INFRASTRUCTURE

Opportunities and Challenges; Strategies and Solutions

February 8-9, 2012, The Grand, Vasant Kunj, New Delhi



Organiser:

**Indian
Infrastructure**

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OIL AND GAS TRANSPORTATION AND STORAGE INFRASTRUCTURE

Mission

- Recent trends in the oil and gas sector have strengthened the case for developing efficient transportation and storage infrastructure in the country.
- With the demand for oil and gas set to reach unprecedented levels as the economy grows at a targeted level of 9 per cent annually in the next five years, an extensive transportation and storage infrastructure will be crucial. The recent tightening of domestic gas and global liquefied natural gas (LNG) supply, slow growth of domestic crude oil production and volatility in international oil markets, and India's increasing dependence on imports underline the importance of a strong and efficient transportation and storage infrastructure.
- The existing infrastructure is clearly limited. The oil and gas pipeline network spans only 33,000 km and is concentrated in a few regions. The storage infrastructure is limited to that owned by oil companies and the country currently lacks a strategic reserve. A government-owned strategic reserve for oil with a 14-day capacity is under construction. This will help reduce the impact of international price volatility to some extent while improving the country's energy security.
- The import infrastructure also needs to be expanded. Currently, there are only two operational LNG terminals in the country. Moreover, the multi-purpose port infrastructure is weak – 13 major ports have only 42 dedicated liquid berths; only three major ports can handle very large crude carriers. That said, expansions are already under way and new plans are on the drawing board. The transmission network will be ramped up by 14,000 km; LNG capacity will be increased to 22 million tonnes per annum; and the capacity of Indian ports to handle liquids and very large crude carriers will be expanded to 350 million tonnes by 2015-16. Further, the government is in negotiations with Turkmenistan and other countries for routing India's first transnational pipeline. The Petroleum and Natural Gas Regulatory Board's (PNRB) regulations for gas pipelines have provided the much-needed incentives for the segment and the draft regulations for the petroleum product pipeline and sharing of infrastructure promise competition and a level playing field for other segments as well.
- Given that the sector requires approximately Rs 650 billion of investments in pipeline infrastructure over the next five years, new private players are expected to enter the transportation and storage segment, which has so far been dominated by state-owned companies. However, it will be crucial for the government to ensure long-term stability in the policy and regulatory environment to encourage investments while balancing fair play and competition in the sector.
- The mission of this conference is to discuss the investment opportunities in India's oil and gas transportation and storage infrastructure segment; strategies of key players; and the issues and challenges facing the segment. The conference will also highlight the key trends, and showcase new technologies and the best practices in design and construction.

Target Audience

- The conference is targeted at:
 - Pipeline operators/developers
 - LNG terminal operators/developers
 - Speciality ports and terminals
 - Storage facility operators
 - Oil and gas producers
 - Oil and gas refiners
 - Oil and gas marketers
 - Tankering firms
 - Technology providers
 - EPC firms and construction contractors
 - Equipment manufacturers
 - Design and engineering companies
 - Safety and security equipment providers
 - Policymakers and regulators
 - Consultants
 - Industry analysts
 - Other service providers
 - Etc.

The delegates at the conference will get an opportunity to:

- Understand the key trends and recent developments
- Identify market opportunities and challenges
- Learn about the advances in technology/solutions
- Discuss the issues/challenges that impact developers
- Interact with leading consultants in the industry
- Share experience, information and ideas with industry colleagues/peers
- Network with key industry players – customers/contractors/vendors

AGENDA/STRUCTURE

KEY INDUSTRY TRENDS

- ❖ What is the current status of oil and gas transportation and storage infrastructure in India?
- ❖ What are the key trends and driving forces?
- ❖ What are the key issues and challenges? How can they be resolved?

INDUSTRY PLANS AND PERSPECTIVE

- ❖ What are the plans and perspectives of leading players in this segment?
- ❖ What opportunities do these create for other players in the value chain?
- ❖ What are the prospects and risks for the industry?
- ❖ What are the industry's expectations from the government and technology/equipment players?

REGULATOR'S PERSPECTIVE

- ❖ What is the regulatory landscape for this segment?
- ❖ What has been the regulatory experience with regard to gas pipelines so far?
- ❖ What are the upcoming regulations for crude and product pipelines, and sharing of infrastructure?
- ❖ What are the priorities of the PNGRB in the coming year with regard to pipelines and storage?

FOCUS ON GAS PIPELINES

- ❖ What is the current status of gas pipeline infrastructure in India?
- ❖ What are the investment requirements for gas pipelines?
- ❖ What are the plans of key players in this segment?
- ❖ What are the upcoming design and operational practices?
- ❖ What are the key issues and challenges? How are these being addressed?

CRUDE AND PRODUCT PIPELINE UPDATE

- ❖ What is the current status of crude and product pipelines in the country?
- ❖ What needs to be done to transition from a road- and rail-dominated transport infrastructure to more economical pipelines?
- ❖ What are the upcoming design and operational practices?
- ❖ What are the key issues and challenges?

FOCUS ON LNG TERMINALS

- ❖ What is the current status of LNG terminal infrastructure in India?
- ❖ What are the key issues and challenges with regard to LNG imports?
- ❖ What are some of the noteworthy projects (in operation and planned)?

FOCUS ON BERTHS/JETTIES

- ❖ What is the current availability of berths/jetties at Indian ports?
- ❖ What are the key issues and challenges for the segment?
- ❖ What are the future plans?

SPOTLIGHT ON STRATEGIC RESERVES

- ❖ What is the progress of strategic oil reserves in the country?
- ❖ What are the expectations of the government and industry regarding their operations?
- ❖ What are the plans regarding expansion of the strategic reserves?

FOCUS ON CRUDE AND PRODUCT STORAGE

- ❖ What is the current status of crude and product storage in India?
- ❖ What are the design and operational practices currently?
- ❖ What are the technological and operational advances?
- ❖ What are the key issues and challenges for the segment?
- ❖ What are the future plans?

BEST PRACTICES IN DESIGN AND CONSTRUCTION

- ❖ What are the best practices followed in design and construction of pipelines, terminals and storage facilities in India?
- ❖ What are the international best practices in design?
- ❖ Which are the most relevant global practices for the Indian scenario?

ASSET INTEGRITY MANAGEMENT

- ❖ What is the current approach towards asset integrity management in India?
- ❖ What are some of the noteworthy initiatives?
- ❖ What are the global best practices in asset integrity management? What lessons can be learnt by the Indian industry?

SECURITY AND SAFETY OF PIPELINES

- ❖ What are the key issues faced in ensuring the safety and security of oil and gas pipelines?
- ❖ What are the international practices in safety and security of pipelines?
- ❖ What lessons can India learn from the global practices?

Each session will be split into two parts. The first part will feature presentations from speakers. The second part will be devoted to Q&A and floor discussions.

Delegate Fee

- The delegate fee is Rs 25,000 for one participant, Rs 42,500 for two, Rs 60,000 for three and Rs 77,500 for four. **There is a 20 per cent "early bird" discount for those registering before January 20, 2012**

Organisers

The conference is being organised by **India Infrastructure Publishing**, a company dedicated to providing information on the core infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Indian Infrastructure** (a magazine devoted to infrastructure policy and finance), the **Oil and Gas Pipelines in India** report and the **Gas in India** report.

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Registration Form

I would like to register for the conference. I am enclosing Rs _____ vide cheque/demand draft no. _____ drawn on _____ dated _____ in favour of **India Infrastructure Publishing Pvt. Ltd** payable at New Delhi.

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Registration Fee

Delegates	One	Two	Three	Four
INR	25,000	42,500	60,000	77,500
USD	550	940	1,330	1,720

- There is also a 20 per cent "early bird" discount for those registering before January 20, 2012
- Registration will be confirmed on receipt of the payment. To register online, please log on to <http://indiainfrastructure.com/conf.html>

Payment Policy:

- Full payment must be received prior to the conference.
- Conference fee includes lunch, tea/coffee and conference materials.
- Payments for "early bird registrations" should come in before the last date of discount.
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