



16TH INTERNATIONAL ENERGY FORUM MINISTERIAL

10-12 April 2018

Taj Diplomatic Enclave, Chanakyapuri
New Delhi, India

THEME

**THE FUTURE OF GLOBAL ENERGY SECURITY:
TRANSITION, TECHNOLOGY, TRADE AND INVESTMENT**

AGENDA





The 16th International Energy Forum Ministerial (IEF16) gathers IEF Energy Ministers, industry leaders, and heads of key international organisations to debate the future of global energy security on 10-12 April 2018 in New Delhi. Hosted by India and co-hosted by China and Korea, IEF16 aims to focus on how global shifts, transition policies and new technologies influence market stability and future investment and trade patterns in the energy sector. Dialogue among Ministers and industry leaders on how energy security and system resiliency will evolve along energy transition pathways, and meet global economic, demographic, and environmental challenges, will help secure an energy future that remains affordable, productive, sustainable, and fair to all.

IEF16 delegates are invited to consider how global market shifts and energy transition will shape the future of energy security. Participants are asked to engage in an energy technology neutral dialogue to strengthen energy market stability and achieve global goals through enhanced market transparency, trade, and investment among producing, consuming and transit countries.

Oil and gas producer and consumer country Ministers called for an open and neutral dialogue on energy transition at the 15th International Energy Forum Ministerial (Algiers, September 2016) as they gathered under the theme “Global Energy Transition: An enhanced role for the dialogue”. Ministers affirmed their commitment to the IEF producer-consumer dialogue and global energy security by participating in wide-ranging discussion on the importance of securing an orderly energy transition. As energy markets have continued to evolve, mainstream energy outlooks show increasing variability within a world economy that relies on ever more complex, interconnected, and lengthy energy supply chains. The outcome of decisions made by policy-makers and investors will benefit from development of:

- A deeper and more broadly shared understanding of how current energy policy and market transformations affect energy sector investment.
- Enhanced dialogue on the impact of new and conventional energy technologies, as well as evolving industry practices on the future of global energy security.

To facilitate a meaningful and technology neutral dialogue, the IEF16 agenda takes a thematic approach, so that inter-relations among market and policy developments can be assessed comprehensively, and builds on:

- 25 years of engagement on the IEF platform to reduce uncertainty and volatility by improving understanding of energy market dynamics and data transparency among policy makers and industry leaders in collaboration with the International Energy Agency (IEA), the Organisation of the Petroleum Exporting Countries (OPEC), and the partner organisations of the Joint Organisations Data Initiative (JODI);

- The United Nations 2030 Agenda for Sustainable Development (UNSDA2030) and the United Nations Framework Convention on Climate Change “Paris Agreement” in 2015;
- The IEF15 Ministerial (Algiers, 2016) that called for an enhanced role for the dialogue to strengthen global energy security and facilitate an orderly global energy transition including implementation of the 5-Year JODI Action Plan, and Energy Efficiency Knowledge Sharing Framework;
- The 5th IEF-IGU Ministerial Gas Forum (New Delhi, 2016) where Ministers noted that a rolling dialogue on gas is a driving force to help achieve an orderly energy transition, and that the potential for gas to make a significant contribution to societies across the world, is high when compared to other energy technologies;
- The G20 Leaders’ Meeting (Hamburg, 2017) that regards energy security as one of the guiding principles for energy transition, and aims to improve the efficiency and sustainability of natural resource use to promote sustainable consumption and production patterns;
- The 7th Asian Ministerial Energy Roundtable (Bangkok, 2017) where energy Ministers gathered to move from vision to action, identifying secure, affordable and equitable, energy transition pathways in Asia that sets the pace for global energy market transition and inclusive growth.

Agenda: Plenary Session Structure

With “**The Future of Global Energy Security**” as the overarching theme, IEF16 is guided by “Transition, Technology, Trade, and Investment” as interrelated focal areas. The IEF16 Agenda is structured around four key sessions that aim to address the most pertinent questions for the future of our collective energy security.

The plenary sessions will be preceded by an inaugural session for welcoming and scene-setting statements, and are followed by a concluding session to anchor key dialogue outcomes, which will be reflected in a concluding statement by the Minister of the IEF16 host country. In addition to the plenary sessions, four parallel roundtables are proposed to stimulate interactive discussion on specific issues. IEF16 Session Introductions, IEF-BCG background documents, as well as IEA and OPEC background documents, available for download on the IEF website, provide guidance on objectives, insights on recent developments, and relevant questions to assist preparations and meaningful IEF16 outcomes.

Plenary sessions will be conducted with ministerial and industry leader panels seated on the podium. The chair and moderators of each plenary session shall direct the dialogue, and take questions and answers, by engaging plenary session panels with the full audience seated in front of the podium.

Session 1: Global Shifts: The Future of Energy Security: Finding New Balances

How do global market shifts and transition policies adversely and positively affect producer-consumer relations and cooperation on global energy security?

Session 2: Sustainable and Inclusive Growth: Energy Access and Affordability

How can universal energy access and affordability be promoted, can the energy-water-food nexus create new opportunities?

Session 3: Oil & Gas Market Stability and Change: Investment in a New Era

What can companies and governments do to get investment and exploration projects moving again to cope with future demand and maintain energy security?

Session 4: Uptake of Clean Technologies: Disruption and Coexistence of New and Existing Technologies - the Way Ahead

How have countries and industries successfully integrated new and existing technologies; what levers will accelerate the uptake of clean technologies, fossil, renewable, or other?

Agenda: Parallel Roundtables

Parallel Roundtables will be set up in a roundtable format. Moderators will manage the roundtable dialogue by engaging panellist and other participants seated at the table in a discussion that alongside responses to panellists' interventions, will be guided by the outcomes of an interactive survey conducted in each session.

Parallel Roundtable 1: Refining, and Petrochemical Sector; New Growth Potentials and Rationalisation
How do global shifts affect the refining and petrochemical sector? How do we ensure that supply chains are sufficiently resilient to respond to disruptions, and shifting demand?

Parallel Roundtable 2: Fiscal Regimes and Legal Reform to Attract Investment in the Energy Sector
How have oil and gas fiscal regimes and legal reforms evolved to attract investment and leverage the sector to contribute to economic diversification, inclusive growth and sustainable development?

Parallel Roundtable 3: Energy Sector Digitalisation; Benefits and Challenges
How is digitalisation making oil, gas and power sectors more efficient and resilient? What is the role of inventory data, will stocks become more transparent in the digital age?

Parallel Roundtable 4: Attracting Talent to a Vibrant Industry, Integrating New Generations and Technologies
How does the industry attract and retain diverse talent in a more competitive, and advanced energy market?



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Transition, Technology, Trade and Investment

New Delhi, India
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Taj Diplomatic Enclave - Chanakyapuri - New Delhi

PRE-OPENING DAY
TUESDAY 10 APRIL 2018

10:00 - 20:00

REGISTRATION

Registration Desk, Pre-Registration required (online and/or via host and IEF)

19:30 - 21:00

WELCOMING RECEPTION AND NETWORKING

Grand Ballroom, The Leela Palace Hotel
Africa Avenue, Chanakyapuri, Diplomatic Enclave

WEDNESDAY 11 APRIL 2018

Taj Diplomatic Enclave

7:30 - 9:00	<p>REGISTRATION & COFFEE BREAK Registration Desk, Pre-Registration required (online and/or via host and IEF)</p>
9:30 - 10:30	<p>INAUGURATION SESSION (Durbar Hall) <i>(Open to all delegates, guests, and the press)</i></p> <p>9:30-9:50 Prime Minister Arrival & Group Photo with Ministers and Heads of International Organizations</p> <p>9:50-10:00 Ministers and Heads of International Organizations take seats in Durbar Hall</p> <p>10:00-10:05 IEF16 film and Master of Ceremonies' announcements</p> <p>Welcoming and Scene Setting Remarks</p> <p>10:05-10:10 H.E. Sun Xiansheng, Secretary General, International Energy Forum</p> <p>10:10-10:15 H.E Khalid Al Falih, Minister of Energy, Industry and Mineral Resources, Saudi Arabia</p> <p>10:15-10:20 H.E Dharmendra Pradhan, Minister for Petroleum and Natural Gas and Minister for Skill Development and Entrepreneurship, India</p> <p>10:20-10:30 Inaugural Address by Honourable Shri Narendra Modi, Prime Minister, India</p> <p>10:35 Departure of Prime Minister</p>

10:45 - 12:15

PLENARY SESSION 1 (Durbar Hall)

Global Shifts: The Future of Global Energy Security - Finding New Balances

Ministerial dialogue focused on long-term energy policy, and governance

10:45-10:50

Opening Remarks and Introductions by Moderator

Sean Evers, Founder and Managing Partner, Gulf Intelligence

10:50-11:10

Scene Setting Remarks

Invited Scene Setters

- *H.E. Fatih Birol, Executive Director, International Energy Agency (IEA)*
- *H.E. Mohammad Sanusi Barkindo, Secretary General, Organization of the Petroleum Exporting Countries (OPEC)*
- *H.E. Li Fanrong, Deputy Administrator, National Energy Administration, China*
- *Hon. Mark Wesley Menezes, Under Secretary of Energy, United States of America*

11:10-12:15

Moderated Interactive Panel Discussion, Q&A

Invited Panel Speakers (Ministers)

- *H.E. Bijan Namdar Zangeneh, Minister of Petroleum, Iran*
- *H.E. Kosaburo Nishime, State Minister of Economy, Trade and Industry, Japan*
- *H.E. Mohammed Bin Saleh Al Sada , Minister of Energy and Industry, Qatar*
- *H.E. Berat Albayrak, Minister of Energy and Natural Resources, Turkey*
- *H.E. Pavel Sorokin, Deputy Minister of Energy, Russian Federation*

Invited Panel Speakers (CEOs)

- *Wang Yilin, Chairman, China National Petroleum Corporation (CNPC)*
- *B.C. Tripathi, Chairman and Managing Director, Gail India*
- *Sanjiv Singh, Chairman, Indian Oil Corporation*

H.E. Sun Xiansheng, Secretary General, International Energy Forum

12:15 - 14:00

PLENARY SESSION 2 (Durbar Hall)

Sustainable and Inclusive Growth - Energy Access and Affordability

Ministerial dialogue with industry on achieving global goals together

12:15-12:20

Opening Remarks and Introductions by Moderator

Fereidun Fesharaki, Founder and Chairman, FACTS Global Energy (FGE)

12:20-12:30

Scene Setting Remarks

Invited Scene Setters

- *H.E. Suleiman Jasir Al-Herbish, Director General, OPEC Fund for International Development (OFID)*
- *H.E. Yuri Sentyurin, Secretary General, Gas Exporting Countries Forum (GECF)*

12:30-14:00

Moderated Interactive Panel Discussion, Q&A

Invited Panel Speakers (Ministers)

- *H.E. Mustapha Guitouni, Minister for Energy, Algeria*
- *H.E. Bir Bikram Tawfiq e Elahi Chowdhury, Adviser (Minister) to Hon'ble Prime Minister for Power, Energy and Mineral Resources Affairs, Bangladesh*
- *H.E. Tarek El Molla, Minister of Petroleum and Mineral Resources, Egypt*
- *H.E. Dharmendra Pradhan, Minister for Petroleum and Natural Gas and Minister for Skill Development and Entrepreneurship, India*
- *H.E. Kazuyuki Nakane, State Minister for Foreign Affairs, Japan*
- *Phillip Jennings, Associate Deputy Minister of Natural Resources, Canada*
- *Fatima Alfoora Alshamsi, Assistant Undersecretary for Electricity and Future Energy Affairs, Ministry of Energy and Industry, United Arab Emirates*

Invited Panel Speakers (CEOs)

- *Lorenzo Simonelli, Chairman, President and Chief Executive Officer, Baker Hughes GE*
- *D. Rajkumar, Chairman and Managing Director, Bharat Petroleum Corporation Limited*
- *Nizar Al Adsani, Deputy Chairman and Chief Executive Officer, Kuwait Petroleum Company*
- *Patrick Pouyanné, Chairman and Chief Executive Officer, Total*
- *Emma Cochrane, Vice President, LNG, ExxonMobil Gas & Power Company*

H.E. Sun Xiansheng, Secretary General, International Energy Forum

<p>14:00 - 15:30</p>	<p>NETWORKING LUNCH & BILATERAL MEETINGS Seated Lunch for Heads of Delegations - Masala Art Restaurant Buffet Lunch for Delegates - Rani Bagh</p>
<p>15:30 - 16:45</p>	<p>PARALLEL ROUNDTABLE 1 (Durbar Hall) Refining, and Petrochemical Sector - New Growth Potentials and Rationalisation <i>Discussion on capturing Asia's rising demand and optimising existing markets</i></p> <p>15:30-15:35 Opening Remarks and Introductions by Moderator Ambassador Arne Walther, former IEF Secretary General, former Norwegian Ambassador to India, Austria and Japan</p> <p>15:35-15:45 Scene Setting Remarks <i>Invited Scene Setters</i></p> <ul style="list-style-type: none"> • <i>Kate Dourian, Programme Officer, Middle East and North Africa, Directorate of Global Energy Relations, IEA</i> • <i>Ayed Al Qahtani, Director, Research Division, OPEC</i> <p>15:45-16:05 Moderated Presentations by Panelists <i>Invited Panel Speakers</i></p> <ul style="list-style-type: none"> • <i>Prabh Das, Chief Executive Officer and Managing Director, HPCL-Mittal Energy Limited</i> • <i>Tinubu Jubril, Group Managing Director, Oando Limited</i> • <i>Janardhanan Ramanujalu, Vice President, South Asia, Innovation & Business Development, SABIC</i> • <i>Hidetoshi Nishimura, President, Economic Research Institute for ASEAN and East Asia (ERIA)</i> <p>16:05-16:45 Interactive Roundtable Discussion and Q&A</p>

<p>15:30 - 16:45</p>	<p>PARALLEL ROUNDTABLE 2 (Shahjehan Hall) Fiscal Regimes and Legal Reforms to Attract Investment in the Energy Sector <i>Exchange on country experiences, and industry strategies</i></p>
<p>15:30-15:35</p>	<p>Opening Remarks and Introductions by Moderator H.E. Aldo Flores Quiroga, Deputy Secretary of Hydrocarbons, Ministry of Energy, Mexico</p>
<p>15:35-15:40</p>	<p>Scene Setting Remarks <i>Invited Scene Setters</i></p> <ul style="list-style-type: none"> • <i>Ashwin Jacob, Partner, Deloitte Touche Tohmatsu India, Host Country Knowledge Partner</i>
<p>15:40-16:20</p>	<p>Moderated Presentations by Panelists <i>Invited Panel Speakers</i></p> <ul style="list-style-type: none"> • <i>H.E. Saleh A. Al Kharabsheh, Minister of Energy & Mineral Resources, Jordan</i> • <i>H.E. Suhail Mohamed Al Mazrouei, Minister of Energy and Industry, President of the OPEC Conference, United Arab Emirates</i> • <i>Phillip Jennings, Associate Deputy Minister of Natural Resources, Canada</i> • <i>Asma Muttawa, General Legal Counsel, OPEC</i> • <i>Narendra Kumar Verma, ONGC Videsh</i> • <i>Utpal Bora, Chairman and Managing Director, Oil India Limited</i> • <i>Carole Nakhle, Director, Crystal Energy, Nonresident Scholar, Carnegie Middle East Center</i> • <i>Qiang Liu, Director of Energy Division, Institute of Quantitative and Technical Economics, Chinese Academy of Social Sciences (CASS)</i>
<p>16:20-16:45</p>	<p>Interactive Roundtable Discussion and Q&A</p>
<p>16:45 - 17:00</p>	<p>COFFEE BREAK, BILATERAL MEETINGS & NETWORKING (Rani Bagh)</p>

<p>17:00 - 18:15</p>	<p>PARALLEL ROUNDTABLE 3 (Durbar Hall) Energy Sector Digitalisation - Benefits and Challenges <i>Oil and Gas Company CEOs, and supply industry views on digital transformation</i></p>
<p>17:00-17:05</p>	<p>Opening Remarks and Introductions by Moderator Ashok Belani, Executive Vice President Technology, Schlumberger</p>
<p>17:05-17:15</p>	<p>Scene Setting Remarks <i>Invited Scene Setters</i></p> <ul style="list-style-type: none"> • <i>Aya Yoshida, Head, Asia Pacific and Partnership Division, IEA</i> • <i>Christof van Agt, Senior Energy Analyst, IEF</i>
<p>17:15-17:40</p>	<p>Moderated Presentations by Panelists <i>Invited Panel Speakers</i></p> <ul style="list-style-type: none"> • <i>Bert Roukens, Energy Envoy, Netherlands</i> • <i>Adedapo Odulaja, Head, Data Services Department, OPEC</i> • <i>R.K. Malhotra, Federation of Indian Petroleum Industry (FIPI)</i> • <i>David Doppelreiter, Head of Business Unit, RAG Rohöl-Aufsuchungs Aktiengesellschaft</i> • <i>Ashwin Jacob, Partner, Deloitte Touche Tohmatsu India, Host Country Knowledge Partner</i>
<p>17:40-18:15</p>	<p>Interactive Roundtable Discussion and Q&A</p>

<p>17:00 - 18:15</p>	<p>PARALLEL ROUNDTABLE 4 (Shahjehan Hall) Human Resources: Attracting Talent to a Vibrant Industry - Integrating New Generations and Technologies <i>Industry-government exchanges on evolving job requirements and labour markets</i></p>
<p>17:00-17:05</p>	<p>Opening Remarks and Introductions by Moderator Amos Hochstein, Senior Vice President, Marketing, Tellurian</p>
<p>17:05-17:10</p>	<p>Scene Setting Remarks <i>Invited Scene Setters</i></p> <ul style="list-style-type: none"> • <i>Pierce Riemer, Director General, World Petroleum Council</i>
<p>17:10-17:30</p>	<p>Moderated Presentations by Panelists <i>Invited Panel Speakers</i></p> <ul style="list-style-type: none"> • <i>Shashi Shanker, Chief Executive Officer and Managing Director, Oil and Natural Gas Corporation Limited, (ONGC)</i> • <i>M.K. Surana, Chairman and Managing Director, Hindustan Petroleum Corporation Limited (HPCL)</i> • <i>Carole Nakhle, Director, Crystol Energy, Nonresident Scholar, Carnegie Middle East Center</i> • <i>Ivan Martén, Senior Partner and Managing Director, Vice Chairman Energy Practice, The Boston Consulting Group (BCG), IEF Knowledge Partner</i>
<p>17:30-18:15</p>	<p>Interactive Roundtable Discussion and Q&A</p>
<p>18:15</p>	<p>DAY 1 SESSIONS CLOSED (Delegates return to their hotels prior to proceeding to GALA DINNER)</p>
<p>20:00-22:00</p>	<p>GALA DINNER Convention Hall, The Ashok Hotel 50-B, Chanakyapuri, Diplomatic Enclave</p>

THURSDAY 12 APRIL 2018

Taj Diplomatic Enclave

9:00 - 10:30

PLENARY SESSION 3 (Durbar Hall)

Oil & Gas Market Stability and Change - Investment in a New Era

Ministerial dialogue with industry on energy security in the new market setting

9:00-9:05

Scene Setting Remarks and Introductions by Moderator

Christof Rühl, Global Head of Research, Abu Dhabi Investment Authority (ADIA)

9:05-10:30

Moderated Interactive Panel Discussion, Q&A

Invited Panel Speakers (Ministers)

- *H.E. Saadeldin Hussein Elbushra Abd Elmagid, State Minister, Sudan*
- *H.E. Mohamed Abdel Vetha, Minister of Petroleum, Energy and Mines, Mauritania*
- *H.E. Suhail Mohamed Al Mazrouei, Minister of Energy and Industry, United Arab Emirates, President of the OPEC Conference*
- *H.E. Angel Gonzalez, Vice Minister for Hydrocarbons, Venezuela*
- *H.E. Ingvil Smines Tybring-Gjedde, Deputy Minister of Petroleum and Energy, Norway*

Invited Panel Speakers (CEOs)

- *Prabhat Singh, Chief Executive Officer, Petronet LNG Limited (PLL)*
- *Eelco Hoekstra, Chief Executive Officer, Royal Vopak*
- *D.K. Sarraf, Chairman, Petroleum and Natural Gas Regulatory Board*
- *P.M.S. Prasad, Director, Reliance Industries*
- *Amos Hochstein, Senior Vice President, Tellurian*

IEF Knowledge Partner

- *Ivan Marten, Managing Director and Global Leader, Energy Practice, Boston Consulting Group (BCG)*

H.E. Sun Xiansheng, Secretary General, International Energy Forum

<p>10:30 - 11:00</p>	<p>COFFEE BREAK, BILATERAL MEETINGS & NETWORKING (Rani Bagh)</p>
<p>11:00-12:30</p> <p>11:00-11:05</p> <p>11:05-12:30</p>	<p>PLENARY SESSION 4 - Durbar Hall Uptake of Clean Technologies: Disruption and Coexistence of New and Existing Technologies - The Way Ahead <i>Ministerial dialogue with industry on successful energy sector transformations</i></p> <p>Scene Setting Remarks and Introductions by Moderator Kamel Ben Naceur, Chief Economist, Abu Dhabi National Oil Company (ADNOC), former Minister of Energy, Tunisia</p> <p>Moderated Interactive Panel Discussion, Q&A <i>Invited Panel Speakers (Ministers)</i></p> <ul style="list-style-type: none"> • <i>H.E. Aziz Rabbah, Minister of Energy, Mines, and Sustainable Development, Morocco</i> • <i>H.E. Siri Jirapongphan, Minister of Energy, Thailand</i> • <i>H.E. Inho Lee, Vice Minister of Trade, Industry and Energy, Korea</i> • <i>H.E. Aldo Flores Quiroga, Deputy Secretary of Energy, Mexico</i> <p><i>Invited Panel Speakers (CEOs)</i></p> <ul style="list-style-type: none"> • <i>Rami Qasem, Chairman, and Chief Executive Officer, MENAT & India, Baker Hughes GE</i> • <i>J.C. Nakra, Chairman & Managing Director, Engineers India Limited</i> • <i>Ashok Belani, Executive Vice President, Technology, Schlumberger</i> <p>H.E. Sun Xiansheng, Secretary General, International Energy Forum</p>

<p>12:30 - 13:15</p> <p>12:30-12:40</p> <p>12:40-12:50</p> <p>12:50-13:00</p> <p>13:00-13:10</p> <p>13:10-13:15</p>	<p>CONCLUDING SESSION (Durbar Hall) <i>(Open to all delegates, guests, and the press)</i></p> <p>Opening Remarks H.E. Sun Xiansheng, Secretary General, International Energy Forum</p> <p>Special Address: Argentinian - G20 Presidency Marcos Pourteau, Undersecretary of Hydrocarbons, Ministry of Energy and Mining, Argentina</p> <p>Concluding Statement H.E. Dharmendra Pradhan, Minister for Petroleum and Natural Gas, and Minister for Skill Development and Entrepreneurship, India</p> <p>Valedictory Speech H.E. Sushma Swaraj, Minister of External Affairs, India</p> <p>Announcement of the host and co-host countries of IEF17 Message by/on behalf of the host and co-host, respectively, of the IEF17 in 2020 H.E. Li Fanrong, Deputy Administrator, National Energy Administration, China</p>
<p>13:15 - 13:30</p>	<p>PRESS CONFERENCE (Jehangir Hall)</p> <p>Remarks on behalf of the IEF16 host country, IEF Secretary General and IEF17 host country H.E. Sun Xiansheng, Secretary General, International Energy Forum H.E. Dharmendra Pradhan, Minister for Petroleum and Natural Gas, and Minister for Skill Development and Entrepreneurship, India H.E. Li Fanrong, Deputy Administrator, National Energy Administration, China</p> <p>Q&A Session</p>
<p>13:30-14:30</p>	<p>FAREWELL LUNCH Seated Lunch for Heads of Delegations (Masala Art Restaurant) Buffet Lunch for Delegates (Rani Bagh)</p>



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