

ORGANISATION FOR ECONOMIC
CO-OPERATION AND DEVELOPMENT

INTERNATIONAL ENERGY AGENCY

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COMMITTEE ON NON-MEMBER COUNTRIES

Workshop on Data Requirements for Energy Policy
(New Delhi)

(Note by the Secretariat)

The rationale for this joint workshop is provided in the attached Programme and Agenda.

Although the Declaration of Cooperation between the IEA and the Government of India was signed in April 1998, this event represents the first of those joint activities envisaged thereunder. Therefore, it is the first occasion for the IEA to present a large set of its activities to a broad audience in India. Expected attendance is to be between 50-70. Attendees will be senior level, and will represent a large spectrum of the Indian institutions involved in energy policy design (both from the government and private/academic).

Preparations are at an advanced stage. The event will take place in mid-May 1999 in New Delhi, most probably at the Viggyan Bhavan. All local costs are being borne by the Government of India. IEA involvement is restricted to sending a delegation of speakers. Four Divisions from the IEA Secretariat are involved: Non-Member Countries Division for Asia-Pacific and Latin America, Energy Statistics, Economic Analysis, and Energy Efficiency Policy Analysis. The Office of Non-Member Countries is coordinating Secretariat preparations for the event.

In addition to the Workshop, bilateral talks between the IEA Secretariat and Indian institutions are envisaged.

International Energy Agency-Government of India

Joint-Workshop on

Data Requirements for Energy Policy

Statistics, Modelling and Indicators of Energy Use

New Delhi, 13-14 May 1999

Draft proposal

Draft proposal for an

IEA-India
Joint-Workshop on Data Requirements for Energy Policy
Statistics, Modelling and Indicators of Energy Use

Date: 13-14 May 1999

Venue: New Delhi, to be determined by Government of India (GOI)

Main Objectives

1. The workshop, to be conducted under the *Declaration of Co-operation between the Government of India and the International Energy Agency in the Field of Energy*, responds to the primary need to enhance mutual understanding of data requirements for energy policy.
2. Both IEA Member Countries and India use energy data for their policy design. Data collection and processing is one of the pillars of energy policy design.
3. These data cover the systematic monitoring of energy production and consumption, energy prices and taxes.
4. They can be processed along with other economic data and/or data on technology in order to build up energy forecast of demand and supply.
5. To identify what drives energy use trends in the Indian economy and what are the determinants of energy efficiency, specific indicators can be developed. They require data detailing the energy uses to provide a finer picture than the one given by energy per GDP ratio.

Outputs of the Workshop

6. The outputs of this workshop include:

Statistics

- *A clear understanding by the Indian party, of the IEA energy statistical system, data sources, collection methodology and processing expertise and various IEA statistical publications*
- *A clear understanding by the IEA party, of India's current energy statistical system, including data sources, collection methodology and processing techniques*
- *The identification of existing methodological gaps between IEA and India systems, and possible ways of reducing these gaps*
- *The establishment of mechanisms for timely and regular exchange of energy statistics and statistical publications*

Modelling

- *The presentation to Indian energy analysts of IEA demand forecasting model (world model and India model)*
- *The presentation to IEA experts of currently existing energy models used in India*

Indicators of Energy Use

- *The presentation to the Indian of the IEA-India Project on “Indicators of Energy Use in India”*
- *The presentation to the IEA of India’s current energy efficiency appraisal*

7. Based on the experience of this workshop, and subject to the resource availability of the Agency, the IEA may invite a few Indian statistical officials to receive further training on statistical methodology and modelling in Paris. The cost of these training activities should be shared between India and the IEA.

Participants***8. IEA***

- Energy Statistics Division
- Economic Analysis Division
- Energy Efficiency Policy Analysis Division
- Division of Non-Member Countries / Asia-Pacific and Latin America

9. India (50 to 60 energy executives, statisticians and modelling experts)

- Planning Commission
- Central Statistical Organisation
- Ministry of Power (including Central Electricity Regulatory Commission, Central Electricity Authority)
- Ministry of Petroleum and Natural Gas (including Oil Co-ordination Committee)
- Ministry of Coal (including Coal Controller’s Organisation)
- Ministry of Non-Conventional Energy Sources (including Indian Renewable Energy Development Agency – IREDA –, Integrated Rural Energy Development Programme – IREP –, various biomass units)
- Ministry of Forests and Environment
- Ministry of Agriculture
- State administrations (SEBs, state electricity regulatory commissions, etc.)
- Public Sector Units (ONGC, HPC, BHEL, GAIL, etc.)
- Research Institutes (Tata Energy Research Institute, National Council of Applied Economic Research, Indian Institute of Management Ahmedabad, Indian Institute of Science, Indian Institutes of Technology, National Productivity Council, etc.)
- Centre for Monitoring Indian Economy
- Any other interested Indian institutions.

10. Bilateral and Multilateral Agencies

- World Bank
- UNDP
- Others (to be invited by GOI)

11. Indian participants should include senior executives during the first half-day (general presentation of IEA activities) and the last half-day (discussions on data exchanges).

Cost-sharing

12. IEA will cover the travel and hotel costs of its staff that attend this workshop.

13. The Government of India should provide workshop room facilities including OHP and other audio-visual equipment.

14. There will be no fee to be charged for the participants.

15. The participants' respective offices should cover the cost of the participation of the participants.

Tentative programme

The event is a one and a half day workshop. The 1st and 2nd mornings are plenary sessions. The afternoon has two parallel sessions, aiming at multiplying the dialogue. Speech time should be shared in half between the Indian party and the IEA. The **designation of two rapporteurs** is required to share the main points of the parallel sessions during the last plenary session.

The mentioned speakers are indicative proposals submitted to further confirmation or suggestions.

Day One

Morning

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|-------------|---|
| 9:30-10:00 | Opening Remarks Speakers at Ministerial Level (Minister of Power or Minister of Petroleum and Natural Gas or Member, Planning Commission) |
| 10:00-10:50 | Session 1 |

To be attended by Secretaries or Joint Secretaries
(2x20' presentations + 10' discussion)

Possible Speakers:

- *Member or Adviser Energy, Planning Commission on India Energy Policy Design*
- *IEA on India in the world Energy Balance, The IEA Perspective on Policy and Co-operation with India*

10:50-11:00 Tea Break

11:00-12:00 **Session 2 – IEA Energy Statistics, Modelling and Efficiency Indicators**

To be attended by Secretaries or Joint Secretaries

(3x15' + 15')

Speakers: *IEA*

- *Energy Data Collection in Selected IEA Countries (legal basis, organisation) and IEA Data Collection (Annual Fuel Questionnaires, Conventional energy and biomass in non-OECD countries)*
- *The World energy Model, IEA Forecasting Framework*
- *IEA country comparisons using indicators of energy use*

12:00-13:00 **Session 3 – India's Energy Statistics, Forecasting and Indicators of Energy Use**

Possible Speakers :

- *Planning Commission on Energy Statistics in India*
- *Planning Commission on Energy Demand Forecasting in India*
- *TERI on Energy Efficiency and the use of indicators of energy use in India*

13:00-14:30 Lunch

Afternoon

14:30-17:00 **Parallel sessions**

The sessions are meant to be rather technical. They could be divided in two parts, with a tea break in the middle (15:30-15:50)

Parallel Session 1 – Energy Statistics

Speakers: IEA (one hour)

- *International methodology in basic energy supply and demand statistics (Classification of conventional energy commodities, Classification of biomass energy, Definition of supply and demand flows, Classification of end-uses, Building commodity balances)*
- *International methodology in energy balances (Main conventions, Alternative models, Organisation in selected IEA countries)*
- *The IEA energy balance format*
- *Indian Energy Statistics in IEA databases*

Speakers: India (one hour)

- *Central Electricity Authority on Electricity Statistics*
- *Ministry of Coal or Coal India on Coal Statistics*
- *Ministry of Petroleum and Natural Gas or Gas Authority of India Ltd on*

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Petroleum and Natural Gas Statistics

- *TERI or National Council for Applied Economic Research (Dr. I. Natarajan) on Renewable Energy and Energy from Biomass Statistics*

Parallel Session 2 – Energy Demand Forecasting

Speakers: *IEA* (one hour)

- WEO India Model

Speakers: *India* (one hour)

- *Central Electricity Authority on Electricity Demand Forecast*
- *TERI on Scope and Limits of Energy Demand Forecast in India*
- *NCAER (Dr. R. Mohan or Dr. S.K.N. Nair) on Energy Investment Forecast*
- *Indian Institute of Management – Ahmedabad (Pr. P.R. Shukla) on Energy and Environment Modelling in India*

Day Two

Morning

- 9:30-10:00 **Session 4 – IEA-India project on Indicators of Energy Use in India**
Presentation by *IEA* staff (20' presentation + 10' questions and answers)
- 10:00-10:30 **Session 5 – India's experience in statistical monitoring of energy uses**
Speakers:
To be finalised by GOI Steering Committee
- *National Productivity Council*
- 10:50-11:00 Tea Break
- 11:00-11:30 **Session 6 – Rapporteurs Presentations (2x10' + 10' questions and answers)**
To be determined during the Workshop (1 from *IEA*, 1 from *India*)
- Data for Statistical Monitoring
- Data for Modelling
- 11:30-12:00 **Session 7 – Conclusions**
- *Ministry of Power, Central Electricity Authority or Planning Commission on IEA-India Co-operation lay out*
- *IEA on Data Exchange Requirements*