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### MEMORANDUM OF UNDERSTANDING

between

Institute of Energy Economics, Japan

and

Petroleum Planning & Analysis Cell, Ministry of Petroleum & Natural Gas, India

on

Cooperation in Joint Studies related to Asian Oil and Gas Markets

A Memorandum of Understanding (MOU) between the Institute of Energy Economics, Japan (IEEJ) and the Petroleum Planning & Analysis Cell (PPAC), Ministry of Petroleum & Natural Gas, Government of India (hereinafter known as the Parties) regarding cooperation in joint studies related to the Asian Oil and Gas markets and suggest measures to stabilize the market for the mutual benefit of both the countries.

Whereas, IEEJ is an organization responsible for carrying out research activities specialized in the area of energy from the viewpoint of the national economy as a whole in a bid to contribute to sound development of the Japanese energy supplying and energy consuming industries and to the improvement of people's life in the country by objectively analysing energy problems and providing basic data, information and reports necessary for the formulation of policies

Whereas, PPAC, an attached office of the Ministry of Petroleum & Natural Gas. India is responsible for analysing trends in international oil markets and domestic prices, administration of subsidies on petroleum products, maintenance of information data bank and communication systems to deal with emergencies and unforeseen situations and forecasting and evaluation of petroleum import and export trends.

DESIRING to develop cooperation relating to the oil and gas sector and seeking wider dissemination of available oil and gas sector information.

BELIEVING that cooperation on a basis of equality, reciprocity and mutual benefit between PPAC and IEEJ in the oil and gas sector can help meet these goals, and.

TAKING into account the experience that PPAC and IEEJ have in this field.

HAVE REACHED the following understanding.

## ARTICLE 1: PURPOSE AND SCOPE OF COOPERATION

- a. Given the key importance of the paradigm shift in global oil trade which has seen Asia emerging as an important source of hydrocarbons and the fastest growing region in demand for crude oil and gas, the purpose of the MOU is to set up a mechanism whereby representatives of the Japanese and Indian Organizations can work together in joint research and studies for developing an Asian crude oil, petroleum products and Natural Gas market and measures to stabilize the Asian oil and gas market.
- b. Joint studies in the areas of supply and demand of oil and gas, growth and stability of global and regional oil and gas markets, alternate and renewable energy, and any other areas of mutual interest agreed by the Parties in writing.

#### ARTICLE II : AUTHORITIES

Nothing in this MOU alters the responsibilities of the concerned Parties. This MOU does not supersede any existing agreements between Japan and Indian Institutes.

#### ARTICLE III : RESPONSIBILITIES

#### IEEJ and PPAC agree to:

- a Assemble a team to identify study areas that will accomplish the objectives described herein, and provide periodic reports of their findings and recommendations, covering both topical and procedural issues
- Identify key areas of concern
- Recommend proposed actions and solutions
- d. Consult and coordinate with other expert agencies, and other organizations. On the Indian side, PPAC will consult and coordinate with agencies like The Energy & Resources Institute (TERI), University of Petroleum & Energy Studies. Dehradun and oil companies like Indian Oil Corporation Limited (IOCL) and others as and when issues and solutions are developed.

#### ARTICLE IV : GENERAL CONDITIONS

#### The Parties understand that:

- This MOU in no way restricts either of the parties from participating in any activity with other public or private agencies, organizations or individuals.
- b. This MOU is neither a fiscal nor a funds obligation document. Nothing in this MOU authorizes or is intended to obligate the parties to expend, exchange, or reimburse funds, services, or supplies, or transfer or receive anything of value.

- Unless otherwise agreed in writing, all costs resulting from activities under this
   MOU are the responsibility of the Party that incurs them.
- This MOU is strictly for internal management purposes for each of the parties.

  It is not legally enforceable and shall not be construed to create any legal obligation on the part of either party. This MOU shall not be construed to provide a private right or cause of action for or by any person or entity.
- This MOU shall not be used to obligate or commit funds or as a basis for transfer of funds.

# ARTICLE V : DURATION AND AMENDMENTS

- a. This MOU shall become effective upon the later date of the signatures of all Parties listed below, and shall be in effect for three years, and will be automatically renewed thereafter on a yearly basis. Either Party may terminate this MOU on three month's written notice delivered to the other Party at any time.
- This MOU may be amended by mutual agreement of the Parties in writing at any time.

Signatures Alchan Salaya (ARCHANSA S MATHLE) 21/2/2014

Petroleum Planning & Analysis Cell

Masakaza (C) COA

Institute of Energy Economics, Japan