

MEMORANDUM OF UNDERSTANDING

Between

Tanjungpura University

and

The Korea Institute of Energy Research

SUBJECT: Energy technology cooperation between the Tanjungpura University and the Korea Institute of Energy Research.

1. Purpose

The Korea Institute of Energy Research "KIER" and the Tanjungpura University "UNTAN" (hereafter "Participant" individually or "Participants" collectively) have conducted energy research with a focus on technology areas of mutual interest. They have cooperated informally by exchanging professionals and ideas. The Participants' goals have historically overlapped in areas such as renewable energy and energy efficiency research.

This Memorandum of Understanding (MOU) establishes an understanding regarding cooperative activities between the Tanjungpura University and the Korea Institute of Energy Research to enhance the Participants' capabilities in climate change and renewable energy technology.

Tanjungpura University is outstanding institutes for new and renewable energy, especially in biomass energy. It leads the level of distributed power generation R&D in domestic, eg. From KW to MW scale. In recent years, it also focus on the application of distributed power generation system using biomass energy in Indonesia.

The Korea Institute of Energy Research (KIER), a non-profit scientific research institute supported by the government of Korea, is committed to research and development in the areas of energy generation, alternative energy, and various environmental technologies related to fossil energy use.

This MOU is not a contract, but rather a non-binding document that shall not be used to commit either Participant to obligate funds and will not serve as a basis for the transfer of funds.

2. Scope of Cooperation

Technical areas of collaboration identified under this Memorandum of Understanding are research

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and technology transfer activities in the field of climate change and renewable energy technologies. The cooperation between the Participants may include areas as follows:

- Distributed power generation system
- Small scale energy generation system
- Bioenergy
- New & renewable energy (photovoltaic)
- Clean Coal utilization
- Thermal energy conversion (Gasification, Combustion, Pyrolysis)

This list may be expanded or reduced during the life of this MOU by mutual written agreement of the Participants in the form of an exchange of letters between the lead coordinators.

3. Term

This MOU will take effect on the later date of the signature of the Participants and will remain in effect for a period of five years from the effective date. Either Participant may terminate this MOU at an earlier date. The termination will be effective upon sixty (60) days advance written notice to the other Participant.

4. Source of Funding

- a. Funding for any collaborative activities agreed upon will be subject to the funds and staff available to the Participants. Each Participant will cover its own costs. In the event that special funding is available for selected projects, the Participants will develop a separate written agreement for such projects. In such cases, the terms of funding will be agreed in writing by both Participants before the commencement of activities and described in a separate written agreement pursuant to Section 7 below.
- b. The Participants shall each bear its own expenses for collaboration under this MOU including all administrative costs, overhead expenses, labor costs, insurance costs, travel expenses and similar costs, unless a separate agreement between the Participants provides otherwise.

5. Reports, Documents and Release of Information

- a. Each Participant intends to collaborate in a manner that facilitates exchanges of nonproprietary information. Subject to applicable laws and regulations, the Participants intend that information, data and reports of collaborative activities carried out under this MOU may be released by either Participant with the written concurrence of the other

Participant.

- b. Activities that may involve sharing of proprietary information and transfer of rights and interest in intellectual property are excluded from the purview of this MOU. In the event it becomes necessary to share proprietary information, separate nondisclosure agreements will be put in place.

6. Review of Activities

The Participants shall review collaborations established under this MOU as a means to ascertain their effectiveness, document achievements and lessons, recognize technical personnel, and identify and plan areas for future collaboration. This review shall take the form of annual meetings of key technical contacts and management from each Participant to discuss ongoing and future cooperation. Specific commitments developed pursuant to this MOU will be reflected in separate written agreements in accordance with Section 8 below.

7. Separate Written Agreements

Specific activities derived from the collaborative activities under this MOU, including as appropriate details concerning financial arrangements and the allocation and protection of property rights, including intellectual property rights, will be confirmed in a separate written agreement between Participants. Such separate written agreement will set forth as appropriate a work plan, staffing requirements, cost estimates, funding sources, a plan for the adequate and effective protection of intellectual property rights and other arrangements or conditions that are not within the purview of this MOU.

8. Status of the Memorandum of Understanding

This MOU is not intended to create obligations binding under national or international law. The Participants do not intend, or expect, to create intellectual property under this MOU. If it appears that activities under this MOU may result in the creation of intellectual property, the Participants will enter into a separate written agreement or will redesign the program to avoid the creation of intellectual property.

This MOU: (1) is not a contract; (2) shall not be used to obligate or commit funds; and (3) will not be used as a basis for the transfer of funds.

9. Contacts and Amendments

All notices, communications and coordination shall involve, at a minimum, the following

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individuals, their successors and/or designees as follows:

a. Tanjungpura University ("UNTAN")

Professor Dr. Eng. M. Ismail Yusuf,
Head of Renewable Energy Research Center of UNTAN
Jln. Jend. A. Yani
Tel: +62 561 732 406
Email: isyusfar2@yahoo.com

b. For the Korea Institute of Energy Research ("KIER")

Dr. Seo, Myung Won, Senior Researcher
Gajeong-ro 152, Yuseong-gu
Daejeon, 34125
Tel: +82 42 860 3358
Email: mwseo82@kier.re.kr

c. The Participants recognize that implementation of the MOU will require an ongoing dialogue between the Participants and, accordingly, expect to make future modifications and amendments to the MOU as technologies, policies and program goals change over time.

10. Signatures

The Participants hereby confirm this MEMORANDUM OF UNDERSTANDING and acknowledge their understanding by the following signatures.

FOR Korean Institute of Energy Research

By Ki-woo Lee

Lee Ki-woo, Ph.D., President

Date (2016. Oct. 6)



FOR Tanjungpura University

By Thamrin Usman

Thamrin Usman, Prof. Dr. Rector

Date (31 August 2016)