

MEMORANDUM OF UNDERSTANDING

**SOLAR ENERGY CENTRE
MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES
NEW DELHI**

and

**INDIAN INSTITUTE OF TECHNOLOGY DELHI
NEW DELHI**

7TH MAY, 1996

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MEMORANDUM OF UNDERSTANDING BETWEEN SEC/MNES AND IIT DELHI TO COOPERATE IN R&D AND TRAINING IN THE FIELD OF SOLAR ENERGY UTILIZATION

Solar Energy Centre, Ministry of Non-Conventional Energy Sources, Govt. of India, New Delhi (hereinafter referred to as SEC) and Indian Institute of Technology Delhi, Hauz Khas, New Delhi - 110 016 (hereinafter referred to as IITD) desire to cooperate in R&D and training in the field of solar energy utilization. The area of cooperation includes solar thermal energy as well as solar photovoltaic, primarily on the following aspects:

- research & development and consultancy
- development of proto-type models of new designs
- testing and standardization
- software development for system design and layout
- technology transfer to the industry
- education and training
- information dissemination for appropriate and effective human resource development.

To facilitate such co-operation, the two Parties have entered into this memorandum of understanding (MoU) as follows.

1. RESEARCH/CONSULTANCY PROJECTS

IITD and SEC will undertake joint R&D and consultancy projects as per the following terms :

- a) Projects would require the approval of both the institutes.

- b) Project proposals will be formulated jointly by the concerned faculty/staff members of the two institutes clearly identifying the roles/inputs of each of the institutes.
- c) In case a need arises to employ project staff for collaborative work under an interactive R&D project sponsored by SEC to IITD, it will be employed by IITD as per the prevailing terms and conditions. However, the staff would be available for both the institutes to work on the approved projects.
- d) The income arising out of the consultancy work will be shared by the two institutes on the basis of inputs and the approved norms of the two institutions and finalized for each project.

2. EXCHANGE OF STAFF

Both SEC and IITD agree to the exchange of staff on full time/part time basis on the terms agreed mutually for the purpose of implementing joint tasks. These will be decided on case to case basis depending upon the service conditions in each institution.

3. CONFERENCES/WORKSHOPS

Both institutes agree to organize/conduct conferences and workshops jointly in the areas of mutual interest. The required funding for undertaking specific programs will be sought from appropriate financial sources.

4. TRAINING PROGRAMS

Specific training programs (both short and long duration as appropriate) will be developed and conducted to cater the requirements of

- Industry
- R & D personnel from Govt./Public/Private sectors
- Administrators and policy makers
- University teachers

It is also envisaged to organize high quality training programs (including those sponsored by international funding organizations) for foreign participants from developing countries.

5. SHARING OF IMPORTANT FACILITIES

Both the institutes agree to make available infra-structural and technical facilities for approved joint projects on mutually agreed terms and conditions. This includes mechanical workshop, library, computer services, software, solar test facilities, data bank etc. SEC agrees to permit the use of SEC transport facility from and to its premises at Gwal Pahari from IITD. As and when possible, IITD will provide the staff car for visits by the faculty.

6. Ph.D. REGISTRATION

Staff members of SEC working on approved joint projects may be registered for Ph.D. degree at IITD. However, the candidates recommended by SEC will be selected by IITD as per its norms for Ph.D. registration. These students will be over and above the existing prescribed IITD limit for the Ph.D. students registered in a particular department/Centre. There will be a provision for joint supervision of the Ph.D. students by SEC faculty.

7. B.Tech./M.Tech. PROJECTS

IITD agrees that B.Tech./M.Tech. students at IITD will be offered research projects to work at SEC in the areas of mutual interest leading to their respective degrees. For such projects, there will be a provision for joint supervision by SEC

faculty. SEC agrees to provide necessary facilities and resources to carry out the project.

8. PUBLICATIONS

Both institutes agree to prepare technical and promotional material for use by the professionals in the field as well as the general public.

9. COORDINATION COMMITTEE

The following will constitute the Committee to coordinate and strengthen the collaboration between the two institutes :

Solar Energy Centre

I.I.T. Delhi


Dr. Ved Mitra,
Director and Head,


Prof. V.S. Raju
Director

Dr. Ashvini Kumar
P.S.O.
(nominee of Director SEC)

Prof. N.K. Bansal
Centre of Energy Studies
(nominee of Director IITD)

In witness whereof the two Parties hereto have signed this memorandum of understanding on 7th May, 1996.


(Dr. Ved Mitra)
Director & Head
Signed for and on behalf of
the Solar Energy Centre
Gwal Pahari, Gurgaon.


(Prof. V.S. Raju)
Director
Signed for and on behalf of
the Indian Institute of
Technology, New Delhi.