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बहादुर शाह ज़फर मार्ग,

नई दिल्ली-110 002 (भारत)

**UNIVERSITY GRANTS COMMISSION**

BAHADUR SHAH ZAFAR MARG

NEW DELHI-110 002 (INDIA)

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The Registrar  
All Indian Universities

Sir / Madam,

The Ministry of Human Resource Development, Department of Higher Education has forwarded a copy of the report prepared by Counsellor(S&T) in the Embassy in Washington DC on his visit to University of Wisconsin in Madison. It provides the possibilities of educational collaboration between the University of Wisconsin and Indian Universities.

This information is being brought to the notice of all Indian Universities for information please.

The details of report are at Annexure I.

Yours sincerely,



(Dev Swarup)

**Note:**

1. No query may be made to UGC in this regard.
2. No financial liability on the part of UGC.

**Embassy of India  
(S&T Wing)  
Washington DC**

**Subject: Report of the visit to University of Wisconsin, Madison**

I visited the University of Wisconsin, Madison during 6-7 March, 2012, on invitation of the Dean of the International Studies, Dr. Gilles Bousquet. During the visit, I was briefed about activities of the different schools of the university with India and discussions were held on strengthening the same for developing a systemic relation with Indian government and academic institutions. Summary of the interactions are briefed below:

**College of Agriculture and Life Sciences (CALs)**

Meeting was held with Dean of CALs, Dr. Ken Shapiro and other faculty members. CALs implements the Khurana Student Exchange Programme in collaboration with Department of Biotechnology and Indo-US S&T Forum since 2008. The Khurana Programme has been developed and led by Prof. Aseem Ansari, Department of Biochemistry. Till now total 45 under graduate students from India has been provided a transformative experience pursuing mentored, hands on research through this summer fellowship in different laboratories of the University of Wisconsin-Madison, out of which 8 of them have returned to the university as graduate students. Each year 5 students from University of Wisconsin, Madison are selected to go to India during summer to different Indian universities and research institutions.

From the current year, the Khurana Programme is being expanded. During the summer of 2012, 35 students from India will be selected to be placed in 9 different universities in the United States other than the University of Wisconsin. Similarly, 5 to 10 students from University of Wisconsin and University of Michigan will intern in India under the programme.

Also under the Khurana Programme, the University of Wisconsin undertakes rural development works in Amethi, Uttar Pradesh.

## Centre for South Asia

Meeting was held with Prof. Johathan Mark Kenoyer, Director of the Institute. He informed that the centre was established in 1961 as a National Resource Centre with funding from the US Department of Education, International Education and Graduate Programme Services. The centre support extensive teaching, research academic study and outreach relating to the countries of India, Pakistan, Sri Lanka, Nepal, Afghanistan and Bangladesh.

The centre offers the following programmes related to India:

- i) Degree programmes - Throughout the beginning years of the Department of Indian Studies, BA and MA degrees in South Asian studies are being offered through Department of Indian Studies (Renamed the Department of South Asian Studies in 1973). In late 1960 PhD programme in South Asian and literature and Buddhism were added. Since 2003, the centre offers under-graduate certificate of South Asian studies, where students can take a 21-credit programme of interdisciplinary language and area studies.
- ii) Study Abroad - Wisconsin's College year in India programme began in 1960. Since then the programme runs in collaboration with Delhi University, Jamia Milia Islamia and Banaras Hindu University focusing on language training and independent field work projects in Hyderabad, Madurai and Varanasi.

Since, the summer of 1993, under UW's Kerala Summer Performing Arts Programme, students spend 10 weeks in Kerala, learning performing art like mridangam drumming or Kalarippayattu martial arts and concluding with an elaborate end of the summer performance.

- iii) Annual Conference on South Asia - The conference which began as 'Wisconsin Conference on South Asia' in 1974 focusing on the need of the educational institutions of Wisconsin to develop programmes about South Asia has currently expanded to 'Annual Conference on South Asia' since 1981. Currently, the conference attracts more than 600 participants from North America, Europe and South Asia. This year the Annual Conference will be held

during October 11-14, 2012 at Madison and the theme is 'Corruption and Culture'.

- iv) **Library Collection** - Today the University's South Asia collection includes over 210,000 titles with significant holdings in South Asian Buddhism (in Tibetan, Sanskrit and Pali), modern South Asian languages and literatures (particularly strong in Tamil, Urdu and Telgu), a South India collection dating from the early 18<sup>th</sup> century to the present, the Manuscript of Shel dKar bKaagyur on microfiche and the complete Mohenjo-Daro Sind volumes in computer files. The library subscribes to over 7,000 current serials and periodicals published in or directly concerned with South Asia.
- v) **Outreach Programme** - The centre has developed several outreach materials and programmes in the form of instructional video series, civilizations of India film projects, documentary films on India, supplementary K-12 curriculum materials etc.
- vi) **Endowments** - The centre is the recipient of a US\$ 150,000 endowment from the Andrew W. Mellon Foundation, with a matching contribution from the college of letters and science, it supports invited lectures, faculty research and language instruction. Since 1961, the centre also receives awards and gifts from the Taraknath Das Foundation to support India's studies.
- vii) **South Asia Summer Language Institute (SASLI)** - The centre is the nationally chosen host institution by the US Department of Education for the SASLI, since summer 2003 for language training to students nationwide.
- viii) **Scientific Archaeological Study** - The centre has capacity for scientific study of artefacts, paleo botany study, and study of old technologies for tool making. They have collaboration with Indian museums for such studies.

#### Wisconsin Alumni Research Foundation (WARF)

Meeting was held with Mr. Carl Guldbarndsen, Director of WARF and his team. It was informed that WARF was established in 1925 as US's first University - based technology transfer office. The non-profit organization

was established by Dr. Harry Steenbock, who discovered in the early 1920s that irradiating food with ultraviolet ray enriched its vitamin D content. The WARF promote, encourage and aid scientific investigation and research at UW, Madison by helping to commercialize the technology arising from the research of the university for the benefit of human kind. Currently, the WARF has an endowment of US\$ 2 billion. They have invested the proceeds of their commercialization efforts to the tune of US\$ 1 billion for promoting research in the university. WARF is interested to collaborate with Indian universities for capacity building in technology transfer and specifically interested to work on transfer of some technology developed by the UW, Madison viz. Moly 99. They will be a partner in the technology transfer programme, which has been launched by Department of Biotechnology, GOI with UW, Madison.

Within WARF, 2 major facilities located are the Wisconsin Institute for Discovery, a public - private facility offering research facilities for interdisciplinary research spanning biotechnology, nanotechnology, information technology and more focusing on improving human health and well being and the Morgridge Institute for Research, a private non-profit biomedical research institute, also focusing on improving human health and well being. Both the facilities are open to researchers across the world, whose advantage could be taken by the Indian biotechnology researchers and industry.

### Energy Institute

Meeting was held with Dr. Paul Meier, Director of the Institute. Energy Institute is a meta centre which integrates energy related activities in the university spread over the Centre for Renewable Energy Systems, Centre for Sustainability and the Global Environment (SAGE), Department of Geoscience, fusion science and engineering research programs, Great Lakes Bioenergy Research Centre (GLBRC), Engine Research Centre, Power System Engineering Research Centre, Solar Energy Lab (SEL), Wisconsin Bioenergy Initiative, Wisconsin Consortium for Building Life-cycle, Energy Efficiency, and Performance Science (LEEPS), Wisconsin Electric Machines and Power Electronics Consortium, Wisconsin Institute of Nuclear Systems (WINS) and Wisconsin Public Utility Institute. Dr. Meier showed interest in participation of the Energy institute in Indo-US Joint Clean Energy Research and Development Centre (JCRDC), hosting Indian

faculties under Singh-Obama Knowledge Initiative and student exchange in the model of Khurana Programme.

### College of Engineering

I met with Dr. Paul S. Peercy, Dean of the College. He apprised of the blended education system of the college, where the individual engineering divisions are integrated into problem oriented schools of energy, health and environment for developing a college wide ecosystem. He informed that through the US National Academy of Engineering (NAE), 25 faculties of the college taught 30 faculties of Indian second tier engineering institutions over 2 years. The resource materials developed through this interaction are available in public domain and widely consulted by students.

### Office of International Studies and Globalization

I met with Prof. Gilles Bousquet, Dean of the Office and his colleagues. They apprised about 'India Initiative' of the International Office. Since 2010, the programme has been started to increase the number of UW students to participate in academic experiences in India. For this purpose, they have started a small grants programme to allow faculty and staff to visit India for developing new opportunities for the students. Dean Bousquet emphasized on a systemic relation of UW with Indian Government and academic institutions. For this purpose, he informed that UW is preparing a strategy document.

### Suggested follow up

- a) As discussed with Dean Bousquet, the existing India related activities of the University of Wisconsin across CALS, Centre for South Asia, India Initiative and College of Engineering combined with new opportunities available in WARF, Energy Institute and Global Health Institute may provide an University wide framework of collaboration with Indian research institutes and universities, aligned to the strategic priorities of the Indo-US collaboration. We may inform Ministry of Science & Technology, Ministry of N&RE, MHRD, Department of Agricultural Research and Education and Department of Health Research about this opportunity.

- b) In order to learn from the long and unique experience of WARF about technology transfer from university research, we may consider visit of a group of biotechnology researchers and biotech industry representatives to WARF through Indian Industry Associations. WARF had showed strong interest for such visit.
- c) In view of the leadership role of the Centre for South Asia of the University in South Asian study in the USA, we may consider instituting an Indian Chair through ICCR in the centre.
- d) The University has shown strong interest for hosting young Indian faculties under Singh-Obama Knowledge Initiative. This may be informed to the MHRD.
- e) Dean Bousquet expressed keen interest for hosting Ambassador to the UW. He suggested the visit could take place during the orientation of the next group of Khurana fellows from India between 17-19 May, 2012. He also suggested announcing their India strategy document during the visit of the Ambassador. They also offered to arrange meetings of the Ambassador with the political leaderships of the State.

Submitted please.

(Dr. D. Dutta)  
Counsellor (S&T)  
16.03.2012

Cd'A