



BANARAS HINDU UNIVERSITY
Information and Public Relations Office
Press Publication and Publicity Cell

Date: 27.01.2009

Press Release-II

Prof. DP Singh: BHU to Emphasize More on Science and Ethics

In the context of its assertions in a globalized economy, India requires highly trained professionals, which makes a quality higher education system indispensable. Other Asian countries are already upgrading higher education with the aim of building world class universities. In India, Banaras Hindu University is among the front runners for achieving excellence in higher education. The University was ranked first in the country by the office of the Principal Scientific Advisor to the Government of India while ranking important Indian Universities for their performance in science and technology. It is, therefore, not surprising that BHU was given top priority in the allocation of Grants by the University Grant Commission and MHRD, Government of India. But when viewed against the mammoth size of the university, this large grant appears inadequate.

In the current scenario, the university administration is consistently trying to build up an effective management system that creates the ethos of accountability, autonomy and academic vibrancy and enables generation of adequate financial resources. University believes in merit-based hiring and promotion policies for its academic professionals, and provides quality education to its students. In the XI Plan, a high priority has been assigned to science and technology, ethics and peace, equity in education, improvement of medical education and hospital services, and development of Rajiv Gandhi South Campus to take education to the backward areas. Among the Faculties, the highest financial allocation was made to the Faculty of Science, whereas Institute of Agricultural Sciences, Mahila Maha Vidayalya and S.S. Hospital got plan funding for the first time from UGC, New Delhi. The Faculty of Sanskrit Vidya Dharma Vijnan got historic grant of Rs 1.7 crores.

As a result of the initiatives of the Vice-Chancellor, Prof. D.P. Singh, BHU is going to establish its 4th Institute, almost after three decades as, "Institute of Environment and Sustainable Development" with financial support from UGC under XI Plan. Special fund allocation for Rajiv Ghandhi South Campus as one time grant by UGC is indeed encouraging. The Vice Chancellor is sincerely concerned about human values and ethics in higher education and proposes to introduce them in various course curricula. A proposal to have "UNESCO Chair on Peace Education" is at the advanced stage. Some of the important highlights of BHU during recent past are as follows:

(A) BHU STRIVES TO STRENGTHEN ITS POSITION IN GLOBAL HIGHER EDUCATION

- Unique strengths of BHU come from renowned research groups in some of the emerging areas of science and technology (e.g., material science and technology, bio-engineering and technology, biotechnology, ecology and environment), fast growth of foreign students (>900 in 2008), highly accomplished Faculty (> 500 Awards, Fellowships, and other Honours and Distinctions during X-Plan), DST-FIST 22 Departments/Schools, and UGC CAS/SAP/DRS status to 14 Departments/Schools.
- BHU fetches the highest grant (Rs. 845.02 crores) from UGC (Rs. 283.77 crore: XI Plan Grant; and Rs. 561.25 crore: OBC Grant).
- BHU is going to establish its 4th institute “Institute of Environment and Sustainable Development” as a new initiative.
- Special allocation of Rs. 27.0 crores from UGC for Rajiv Gandhi South Campus as one time grant under 11th plan allocation.
- The University was ranked first in the country on the basis of publications in cited journals, fellowships of National Academy of Sciences, Shanti Swaroop Bhatnagar Award and quality of students produced (Principal Scientific Adviser, GOI).
- National Assessment Accreditation Council rated BHU in “A” Category.
- Improved ranking of Faculty of Law from 14th in 2007 to 10th in 2008; for Institute of Technology from 18th (2007) to 9th (2008) while the Institute of Medical Sciences ranked 15th (2007) and 18th (2008) among top 25 Law, IT and Medical Colleges, respectively (India Today, 4th June 2007 and 4th June 2008).
- IT ranked 7th (2007) and 6th (2008) among top 50 Government Engineering Colleges in the country (Outlook, 11 June 2007 and 13th June 2008).
- Among four Central Universities in U.P., BHU is rated at a much higher level than the other three (Outlook in Hindi, 25th June 2007).
- BHU was ranked 6th by National Institute of Science, Technology and Development Studies (NISTADS), New Delhi in a study taken to rank the top 35 productive Science and Technology institutions in India based on research publications during the last 10 years. As a mark of recognition of the study, Science and Engineering Research Council (SERC) under DST, New Delhi has decided to provide financial support to 14 of the identified universities to the tune of 2 to 10 crores per year for 3 years.

- School of Biotechnology, BHU was placed at 9th position among the top 10 Biotechnology PG Programmes with respect to Faculty, Industry Interaction, Infrastructure and Placement with overall score of 18.68 in 2008 (BioSpectrum 2008 Vol 6th Issue 1).
- BHU's Immunology & Biological Sciences was ranked 3rd; Agricultural and Biological Sciences was ranked 7th; Biochemistry, Genetics and molecular Biology was ranked 8th; Pharmacology, Toxicology and Pharmaceutics was ranked 9th; Engineering, Earth Sciences & Medicine was ranked 10th with overall rank of BHU 10th, while IISc Bangalore was 1st, IIT Kanpur was 9th and Tata Institute of Fundamental Research (TIFR), Mumbai was 11th in ranking (Source: Status of India in Science and Technology as reflected in its Publication output in Scopus International Database(1996-2006)).
- About 297 direct recruitments (teaching as well as non-teaching) were made in addition to the due cases of promotions during the last one year.
- The table given below is an indicator of new heights achieved in generating funds through ad-hoc projects.

Project	2005-06	2006-07	2008-Jan 16, 2009
No .of Projects Sanctioned	134	298	416
Amount Sanctioned	26.47 crores	46.1 crores	81.6 crores

Year 2008 has almost double the amount (Rs 81.6 crores) as compared to last year 2007 (Rs 46.1 crores) .

- UGC has also raised its planned funding from Rs 32 crores in 10th Plan by almost ten times to 283.76 crores in addition to OBC budget of Rs 561.25 crores.
- BHU got 2 patents (negative thermo expansion materials and bio pesticides) and 3 patents are under process in 2008-09.

(B) PRIORITIES OF BANARAS HINDU UNIVERSITY UNDER XI PLAN

Funds of Rs 283.76 crores have been allocated under the XIth Five Year Plan for main campus and Rajiv Gandhi South Campus by UGC (Ministry of Human Resource Development), New Delhi. BHU got maximum allocation, which will be helpful in realizing the Dream of HRD Minister to make BHU a World Class University. However, in view of the exceptionally large size of this University, a much larger financial input is required. Some of the general priorities of BHU under 11th Plan will be as follows:

- Modernization and strengthening of infrastructure
- New strategies for attracting and retaining talented faculty
- Administrative reforms (decentralization, autonomy and e-governance)
- Academic reforms (inter-Faculty credit transfers, new courses, ITES in examinations and admissions)
- Research priorities (multidisciplinary, major sponsored projects at inter/intra Institute/Faculty/University level)
- Development of the Rajiv Gandhi South Campus at Barkachha, etc

Some of the highlights of UGC allocations during XI Plan are as follows:

- Among the institutes IMS got the maximum support of Rs. 22.82 crores followed by IT (Rs. 14.41 crores) and Agricultural Sciences (Rs. 4.35 crores).
- Faculty of Science (Rs. 10.21) got maximum funding among the different faculties.
- In general, science and technology (IMS, IT, IAS & Faculty of Science) got the major share of UGC support.
- For the first time the Faculty of Sanskrit Vidya Dharma Vijnan (SVDV) got significant amount of Rs. 1.70 crores.
- Institute of Agricultural Sciences, S.S. Hospital and Mahila Mahavidyalya (MMV) got UGC support for the first time.
- BHU has received maximum allocation among all the universities under merged schemes (Rs. 6.77 crores) and fellowships for doing M.Phil and PhD (Rs. 45 crores).
- UGC allocated double the amount recommended by UGC committee under heads of Travel Grant, Grant for attending seminars, symposia, training, publication grant and appointment of visiting professors and fellows. This would encourage better exposure, and training for the teachers.
- Maximum Eligibility Grant payable to a University was received under the head of Sports, infrastructure, instrumentation and maintenance facilities, women hostel, basic facilities for women, faculty improvement program, coaching schemes for ST, SC and OBC, establishment of Career Counseling Cell in University, Internal Quality Assurance Cell, etc.
- A special grant of Rs.7.50 crores for Institute of Environment and Sustainable Development was allocated as a new initiative.
- One time allocation of Rs. 27.09 crores for the development of Rajiv Gandhi South Campus is noteworthy.
- Rs. 2.0 crores have been earmarked for providing seed money to newly appointed faculty.
- Rs. 5.0 crores have been allocated for computerized hospital information system, while Rs. 2.0 crores would be used for renovation of the operation theatre complex.
- Rs. 1.9 crores allocated for the development of Ayurveda hospital.

(C) OBC RESERVATION AND ITS IMPLEMENTATION PLAN by BHU:

It is a major challenge to implement the OBC reservations since it as will require creation of additional facilities for students as well as faculty in phased and planned manner. BHU has planned its implementation with respect to different faculties in a staggered manner as given below:

Staggered Plan of Implementation of Provisions contained in the CEIs Act, 2006

S.No. Faculties	Phasing Plan		
	2008-09	2009-10	2010-11
1. Commerce	10%	17%	-
2. Sanskrit Vidya Dharma Vijnan	27%	-	-
3. Engineering & Technology	9%	9%	9%
4. Arts	5%	10%	12%
5. Education	5%	10%	12%
6. Law- UG	-	10%	17%
7. Law- PG	27%	-	-
8. Performing Arts	5%	10%	12%
9. Social Science	5%	10%	12%
10. Visual Arts	5%	10%	12%
11. Management Studies	9%	9%	9%
12. Agriculture	-	10%	17%
13. Science	-	10%	17%
14. Medicine - UG	-	10%	17%
15. Medicine - PG	27%	-	-
16. Ayurveda	-	10%	17%
17. Dental Science	-	10%	17%

Some of other important highlights of OBC implementation are as follows:

- Base Year for determining enhanced intake was 2006-07. The OBC reservation covers only regular UG/PG and Ph.D. programmes, which includes all the colleges admitted to the privileges of the University. It will exclude Diploma/Certificate Courses; Special Courses of Study; Supernumerary seats etc.
- The University plans to issue recruitment notification for the newly created 562 teaching positions in addition to non-teaching positions.
- UGC has allocated an amount of Rs. 561.25 crores for implementation of OBC reservation in admission.

(D) SOME MAJOR DEVELOPMENT AND NEW INITIATIVES 2008-2009

- Establishment of 'Institute of Environment and Sustainable Development'
- New initiatives for Rajiv Gandhi South Campus, Barkachha
- Reorganization of the institutes and faculties to make them more efficient, autonomous and academically vibrant.
- Trauma Centre ~Rs. 120 crores, SSH/IMS-BHU
- Centre for Food Science and Technology initiates Master and Doctoral Programme in ~Rs. 8 crores (DBT)
- RuTAG (Rural Technology Action Group) centre by Principle Scientific Advisor, Government of India
- Techno-Business Incubator Centre, ~9 crores (DST), IT-BHU
- DST Centre for Interdisciplinary Mathematical Sciences~Rs. 6.25 crores (DST).
- Centre of Genetic Disorders ~Rs. 4.43 crores (DBT)
- Handloom & Handicraft design scheme upgradation by Ministry of Textile, Govt. of India (Rs. 36 Lakhs)
- Renovation of ancestral house of Munshi Premchand & Research Centre at Lamhi, funded by Ministry of Culture, Govt. of India (Rs. 2 Crores).
- All SAP Departments of University got Rs. 20 Lakhs each for infrastructure development.
- Strengthening & Development of Agricultural Education for 2007-08 by ICAR, New Delhi (Rs. 80 Lakhs)
- Experimental Learning for establishment of Bio-control, tissue culture, fisheries, Hi Tech laboratory at Institute of Agricultural Sciences by ICAR (Rs. 20 lakhs)
- MoU between IUAC, N. Delhi and BHU funded by IUAC (Rs. 5 Lakhs)
- DST-FIST funding to School of Materials Science and Technology (Rs. 2.7 Crores)
- Department of AYUSH, Ministry of Health & Family Welfare grant (Rs. 2.24 Crores) for the development of Faculty of Ayurveda, IMS
- UGC Assistance to the Department of Physics by UGC (Rs. 1.0 Crores)
- National Resource Centre for Ksharsutra Therapy, Department. of Shalya Tantra, Faculty of Ayurveda, IMS by Ministry of Health & Family Welfare, AYUSH (Rs. 7.0 Crores)
- Assistance for Creation / Strengthening of Seed Infrastructure Facilities to BHU under the Central Sector to the Institute of Agricultural Sciences by ICAR (Rs. 2.84 Crores)
- Strengthening of Space Science teaching and research in BHU by ISRO, Department of Space (Rs. 1.36 Crores)
- Ministry of Information Technology gives IT-BHU funds (~ Rs. 1.00 Crore) for the establishment of ICT opportunities for Village Knowledge Centers.
- Establishment of Gyanvani and IGNOU Centers.
- Advanced Centre of Ayurveda, Yoga and Meditation ~Rs. 2.24 Crores (UP Govt.)
- Moser-Bayer funding for DIT Project on CD materials (Rs. 2 Crores) to IT-BHU

- Institution of “Prof. C.N.R. Rao Education Freedom Award for Excellence in Science and Research” by Prof. C.N.R. Rao.
- “Savitri Devi Vigyan Bhawan” Science Block of Mahila Mahavidyalaya constructed financial with support from an Alumnus Mrs. Usha Mittal, w/o Steel Baron Shri L.N. Mittal
- Construction of 33 KV Power Station and 11.0 KV sub-stations
- Construction of Girl’s Hostel “Kaveri” and “Gomati”
- Construction of Alumni Guest House Second Floor of IT
- Internet facilities for Institutes/Faculties and hostels
- PC, internet and telephone lines in the office of Faculty Members
- Construction of Second floor of Faculty of Commerce
- Construction of Second floor of Nursing Hostel of SS Hospital
- Expansion of Department of Molecular and Human Genetics Building
- New Initiatives by the present Vice chancellor
 - Initiatives to make this campus more eco-friendly
 - Institute of Environment and Sustainable Development sanctioned by UGC
 - An Annual Calendar of Environmental Activities has been prepared
 - Research and Development activities on Ganga Action Plan within the jurisdiction of BHU is being promoted
 - All the new buildings will have rain water harvesting in BHU
 - 100 acre of deep forest is being created in each of the 4 directions of Rajiv Gandhi South Campus
 - Every faculty and institute will have provision for safe disposal of degradable and non-degradable waste
- Initiatives for Peace Education and Ethics
 - BHU aspires to be a trend setter in the field of peace, human values and ethics to achieve excellence in quality education. This will be a homage to Pandit Madan Mohan Malviya, Gautam Buddha and Mahatma Gandhi
 - Emphasis on concepts of Gyan, Vigyan and Yoga in education, in order to enrich the quality of education
 - A course curriculum indicating a charter of human values and ethics is being developed
 - Initiative to establish UNESCO Chair on Peace Education
 - A PG course on “Peace and Development” is proposed. In this context, a MoU has been signed with the United Nations University of Peace, Costa Rica.
- S.S. Hospital, which caters to the entire Eastern U.P. and Western Bihar, is also a priority:
 - Computerized hospital information system is to be installed
 - Operation theatre complex is to be renovated
 - Intensive Care Unit is being augmented
 - Efforts to develop Super Speciality Hospital/Trauma Centre
 - Efforts to bring more transparency in hospital functioning and, thereby, make the hospital more patient friendly. A “GRIEVANCE REDRESSAL CELL” was constituted at hospital level to redress genuine grievances of patients and their attendants

- Up-gradation of Psychiatry Department under National Mental Health Programme by Ministry of Health and Family Welfare (Rs. 44 Lakhs)
- Establishment of Centre of Excellence by Ministry of Health and Family Welfare (Rs.1.0 Crore)
- Two new Kidney Ultra Modern Machines and two operation theaters fully equipped with modern amenities in the SS Hospital
- An emergency OT was inaugurated in Jan. 2009 by Vice Chancellor to meet the requirement of emergency cases
- A disaster management committee was constituted for SS Hospital for effective functioning of hospital
- BHU constituted a Task Force for Fostering Excellence in Research. The Task Force will strengthen the research activities, identify 3-5 research areas in which university can achieve global status, suggest steps to improve the research environment and identify priority areas in research.
- BHU has also constituted the Internal Quality Assurance Cell (IQAC) to improve the relevance and quality of academic and research programmes.
- University has taken a serious note on the issue of plagiarism and has prepared detailed guidelines to combat it.
- Relative grading in the evaluation of students has been introduced by the university to minimize variations due to instructors and courses.
- An "Interdisciplinary School of Life Sciences" is being established in the University with the financial support of Department of Biotechnology, Govt. of India (~ Rs. 20.0 crores).
- Faculty of Science has introduced a system of minor electives through which students can choose inter-departmental courses of study at Masters level.
- To broaden the horizon of scientific understanding, all B.Sc. (Hons.) students now get adequate exposure to mathematics, statistics, physics, earth sciences, biology, and computer science, in addition to the three main subject of study.
- Alumni are very valuable to the University and a regular interaction with them is envisaged.
- BHU is promoting extension services in the areas of health, technology, rural development and self-employment at the both main campus and Rajiv Gandhi South Campus. The platforms like “Gramin Gyan Kendra” by ‘Asia Media Labs’ and Techno-Entrepreneurial Promotion Program by Department of Science and Technology, Technology Business Incubator by TIFAC (DST), Krishi Vigan Kendra by ICAR and another center-RuTAG (Rural Technology Action Group) are examples.
- The Students' Council is the first of its kind in the country and has been highly successful. This unique experiment has enabled the students to be a part of the decision making process at the University level.

(E) SOME MAJOR DEVELOPMENT AND INITIATIVES AT RGSC, BARKACHHA

The Rajiv Gandhi South Campus is being developed as a potential hub for education, training and entrepreneurship for youth and women especially those belonging to tribes and weaker sections of the society. The campus was formally inaugurated by Hon'ble Sri Arjun Singh, Minister of Human Resource Development on 19th August, 2006.

Infrastructure

- Under XIth Five Year Plan of Rs. 27 crores for Rajiv Gandhi South Campus have been allocated
- MHRD, Govt. of India provided Rs. 16.00 crores for the development of infrastructural facilities,
- A proposal for Rs 100 crores is under consideration by Planning Commission and MHRD
- Good quality water supply has been arranged at the campus by connecting a water source in Barkachha, Kalan village (4 kms. away) through booster pumps, overhead tank and pipe lines,
- Two wide mouth wells are being dug for augmenting water resources,
- Two medium and four small size water storage structures have been constructed as source of minor irrigation,
- *In situ* soil moisture conservation & run off management techniques are being super imposed on cultivable land,
- Uninterrupted electricity supply is operational through National Power Grid Corporation of India. At present 2 gensets (63 kva & 25 kva) are being used as per the need.
- Renovation of guest house, scientists' hostel, academic block, scientists' quarters of KVK, farm superintendents' quarter, mushroom, tissue culture & soil testing laboratories and security barrack has been completed. Construction of two boys hostel (each 100 room's capacity), central library and farmers' hostel, canteen and health centre is almost complete. Construction of Administrative Block, lecture room complex and teachers apartments are nearing completion.
- Seed processing plant building is functional for processing of quality seed production of field crops.
- The Rajiv Gandhi South Campus is likely to have its own Petrol Pump of latest model by Bharat Petroleum Company.
- Internet connectivity has also been provided at the South Campus, Barkachha.

Education and Research

- Currently 18 courses are being run at the campus including MBA (Agribusiness), B. Pharma (Ayurved), B.Ed., B.P.Ed., Diploma in Office Management & Business Communication, Tourism Management, MCA, M.Sc. (Tech.) in Environment Science & Technology, B.Com., PG Diploma in Insurance and Risk

Management, Naturopathy & Yoga Therapy and Hospital Management, M.Sc. (Biotechnology) etc.

- Ad hoc Projects worth Rs. 5.00 crores are being run at this campus,
- Students strength has grown from 167 during 2006-07, to 1000 during the current academic session 2008-09,
- Elite seed nursery and model plantation of Jatropha are undertaken on 300 ha farm land of the campus,
- A demonstration unit for extraction, sterification and bio-diesel production is likely to be setup in collaboration with M/s Namrata Agrotech Ltd, Mirzapur,
- Seed Processing plant would help production of truthful seeds of field crops and replacement of seed material, which is very low at present to the tune of 5-8% for different field crops of the region,
- Vocational Activities
 - Vocational training in desired rural trade, on - farm verification trials, front line demonstration, farmers rallies, goshtis and brain storming meet are common features towards transfer of potential technologies by Krishi Vigyan Kendra located at the Campus.

Proposal for additional Infrastructure & Academics

- A proposal worth Rs. 125.82 crores for establishment of Institute of Agricultural Biotechnology has been submitted to MHRD. The proposal is under active consideration of DBT, Government of India. The Institute would offer post graduate courses in General Biotechnology, Plant Biotechnology, Food Biotechnology, Animal Biotechnology and Bio-Informatics and would focus on research activities in these areas through its core and adjunct faculties,
- A proposal worth Rs. 65 crores has been submitted to Ministry of Rural Development for establishing an ‘Institute of Rural Development’,
- A proposal on establishment of “Jagjivan Ram Center for Rural and Tribal Development” worth Rs.15 crores has been submitted to the Ministry of Rural and Tribal Welfare,
- Rs. 9.0 Crore has been allocated (XI Plan) for developing water-lift canal for Khajuri dam to Barkachha campus.
- It is proposed to build a water lift canal from river Ganga to RGSC, Barkachha.

Chairman