

**G.B. PANT UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
PANTNAGAR-263145, DISTT. U.S. NAGAR (UTTARAKHAND)**

Expression of Interest

For

Public-Private-Partnership between Institute of Biotechnology, Patwadangar, G.B. Pant University of Agriculture & Technology, Pantnagar, Distt. Nainital, Uttarakhand, (India)

&

Government/Private companies involved in commercialization of vaccines, diagnostics and other immunobiologicals for Human Health and Veterinary care.

The Institute of Biotechnology (erstwhile State Vaccine Institute) at Patwadangar (located on Delhi-Nainital highway 9 km before Nainital in the State of Uttarakhand in India at an average altitude of 1600 meter) is planning to execute projects under Public-Private-Partnership mode for commercialization of various products, viz. vaccines, diagnostics and other immunobiologicals for Human Health and Veterinary care. The interested National/Multinational Companies can submit their interest latest by 24.1.2009. The details are available at university website: **www.gbpuat.ac.in**.

Back Drop

The State Vaccine Institute (SVI), Patwadangar, established in 1903, was transferred to the G.B. Pant University of Agriculture and Technology, Pantnagar on 19th October 2005 for establishing an Institute of Biotechnology in public interest. The small pox vaccine produced and marketed by the erstwhile SVI, Patwadangar significantly contributed in eradication of small pox from India. In the year 1957, production of anti-rabies nerve tissue vaccine of sheep origin was started at the Institute. Later, the Institute also started production of tetanus toxoid, which continued till 2004. The Institute stopped manufacturing of these vaccines due to obsolescence of technology and non compliance of cGMP norms. In the absence of R&D unit the Institute failed to develop infrastructure and suitable technology.

The Institute was transferred to Pantnagar University with a clear mandate to establish an Institute of Biotechnology and ensure the revival of vaccine production units as per international standards and cGMP norms based on modern technology. The University has so far strengthened the Institute of Biotechnology by renovation of old infrastructure, construction of new labs and addition of new equipment. The Government of Uttarakhand has opined that revival of

commercial vaccine production may be done in Public-Private-Partnership mode. The details of this mode are given below:

Mission

Promotion of human health and vetcare through production of vaccines against diseases.

Available Infrastructure facilities

The Institute of Biotechnology has been established initially with three units:

1. Biotechnology Unit

2500m² area is devoted for Biotechnology Unit, where following sophisticated equipment have been installed.

- Automated Peptide Synthesizer
- PCR
- High Pressure Binary gradient HPLC System (Analytical, Semi Preparative and Preparative facility)
- Electrophoresis assemblies with power packs
- Gel Documentation System
- All other equipment required for Molecular Biology and Genetic Engineering for research.

2. Virology Unit

The existing Virology unit has 500 m² area for carrying out R&D activities. The unit has following equipment.

- High speed centrifuge
- Ultracentrifuge
- Clean Benches
- Biosafety cabinets Class II B2
- Fluorescent and inverted microscopes
- CO₂ Incubator
- Water purification system
- Need-based minor equipment like, autoclaves, sterilizers, ovens, media filtration systems, refrigerated centrifuge, concentrator, thermostat mixture with exchangeable block, mini spin centrifuge, etc.

3. Vaccinology Unit

1000m² area P3 facilities for R&D activities related to vaccine production is being developed. However the following equipment have already been added to the unit.

- Clean Benches
- ELISA Plate Reader
- ELISA Plate Washer
- Ultra Sonic Cleaner
- Refrigerated Water Bath
- Electronic Weighing Balances
- Ultra Pure Water Purification System

Expression of Interest:

The expression of interest is invited from the Government/non Government companies/ organizations/Multinational Companies under BOT mode for the production and marketing of vaccines, diagnostics and other immunobiologicals for Human Health and Veterinary care as per cGMP norms. The EOI should include complete proposal starting from construction of building, installation of plant machinery and operation of plant that should cater to the mutual interest of company and the University. The private partner will be required to construct the building initially for manufacturing antirabies vaccine and tetanus toxoid on the land provided by the institute at Patwadangar, install the plant machinery and other systems and run the plants for 20 years. The university will not financially invest in the project. It will only provide infrastructure facilities like road, light and water alongwith land for construction of building.

The university will charge rentals for the land and basic facilities and will get part of total revenue for the period as per MOU and terms of offer. While submitting the offer, a Demand Draft of Rs. 10,000.00 (Ten thousands only) should be attached to be drawn in favour of the Comptroller, G.B. Pant University of Agriculture and Technology, Pantnagar. Offers without DD will be rejected. The private partner must also submit the technical and financial viability report of the project along with detailed financial balance sheet of last 5 years. The interested parties may submit their interest/proposal by January 24, 2009 (Saturday) by 5.00 P.M.

The following points should be addressed in the proposal.

- Terms and conditions of participation
- Finance for the project

- Distribution of benefits
- Financial position of firm
- Background of company with article of association and financial balance sheet of last five years
- Information about the sister organizations with production specialization.

Dean,
College of Veterinary and Animal Sciences

Contact Information:
Dr. G.K. Singh
Dean, College of Veterinary and Animal Sciences
Telephone: 915944-233347
Fax: 915944-233473
E-mail: singhgk2003@yahoo.com