

EXPRESSION OF INTEREST FOR INDUSTRY PARTNERSHIP

1. INTRODUCTION

S. N. Bose National Centre for Basic Sciences (SNBNCBS) is an Autonomous Research Institute established under Department of Science and Technology, Government of India in 1986 as a Registered Society. The Centre was established to honour the life and work of Professor S. N. Bose who was a colossal in theoretical physics and has made some of the most fundamental conceptual contributions in the development of Quantum Mechanics and Quantum Statistics.

In the last 25 years, the Centre has emerged as a major institution for research and development in Basic Sciences, specifically in the area of physical sciences and related disciplines. The Centre, while focusing on basic research, has also made a new move to contribute in application driven basic research, in particular, in areas of national needs.

SNBNCBS is currently engaged in the development of a method and system for non-invasive quantitative estimation of Billirubin in human body (Patent Application 467/KOL/2009). Presently, one prototype has been made which would be to production standard, is under advanced stage of manufacturing. In a recent project from Professor S.K. Pal, CBMS department to Indian Council for Medical Research (ICMR) further development of the system for the Non-contact Online-Monitoring of Neonatal and Maternal Jaundice (Bilirubin Meter) has been proposed.

As per the recommendation of ICMR the Centre is looking for a reputed Indian Company to become an Industrial Partner in the manufacture, maintenance and providing product support for and marketing of the Bilirubin Meter. The Industrial partner will associate itself with SNBNCBS right from the current phase to certification and subsequently in transfer of technology for production. Details pertaining to the “Expression of Interest Document” are given in the following paragraphs.

2. BRIEF DESCRIPTION OF BILIRUBIN METER:

The non-invasive/non-contact technique is based on the principle that billirubin has characteristic absorbance of light and according to the Lambert Beer’s law, absorbance is proportional to the concentration of the billirubin present. Billirubin, which is generally

estimated (in pathological tests) from blood samples can be detected spectroscopically from blood samples itself. To make the process non-invasive and even non-contact, we take the spectroscopic signals from conjunctiva of eyes, as the blood veins (and arteries) of eye provide signals of bilirubin. Salient features of the instrument are placed at the Patent publication 467/KOL/2009 dated 1st September 2009 and Journal of Biomedical Optics 20(6), 067001 (June 2015)

3. EXPRESSION OF INTEREST PROPOSAL

The interested Industrial party should send a comprehensive EXPRESSION OF INTEREST proposal to SNBNCBS which should clearly indicate their willingness to become an industrial partner of SNBNCBS in the Bilirubin Meter production, marketing and product support programme under the ICMR project.

The proposal should include the following documents / statements in support of their technical, manufacturing and managerial strengths;

- a) Company's background and history, its range of products, manufacturing facilities, previous experience and programmes particularly if any of these are related to Biomedical Instruments.
- b) Company's strength in design, manufacturing, marketing and product support (manpower, related software and hardware facilities etc.).
- c) Company's financial strength duly supported by audited financial statements for the last five years.
- d) Accreditation to any national/international quality standards acceptable to a biomedical industry.
- e) Company's suggested plan for production, marketing and product support of the Bilirubin Meter.
- f) What are your company's specific strengths that qualify your company to undertake the manufacture, maintenance and providing product support for and marketing of the Bilirubin Meter?
- g) Copy of PAN, VAT, Trade License and Service Tax Registration
- h) Available technical manpower in the organisation.

4. TIME FRAME

The interested party should send the above proposal so as to reach SNBNCBS at the following address on or before 4 December, 2015. The Centre reserves the right to accept or reject any proposal or all proposals without assigning any reasons thereof.

Address:

The Registrar,

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JD Block, Sector III, Salt Lake,

Kolkata (Calcutta) 700 098. India,

Phone: +91 33 2335 5705 - 08

Fax: +91 33 2335 3477

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