Handheld Tele-ECG instrument for rural health care: transfer of technology

The technology of “Handheld Tele-ECG Instrument for Rural Health Care” developed by the Electronics Division, BARC was transferred to M/s Chess Medicare Pvt. Ltd., Mumbai, on 30th November, 2009.

The technology consists of a low cost, hand-held and compact Tele-ECG Instrument. It is operated and controlled with a mobile phone or laptop/desktop via bluetooth and thus has mobile as well as LAN connectivity. In the hospital environment it can be used with LAN connection and in rural area with mobile phone for sending ECG of the patient to the expert. The Handheld Tele-ECG acquires, saves and transfers the electrocardiographic signal to the expert’s mobile for his advice, in dealing with cardiac emergencies. This saves crucial time, which is otherwise lost in transporting the patient to the nearest cardiac care centre. This makes it highly suitable for isolated rural populations.

The Technology Transfer and Collaboration Division coordinated all activities related to the transfer of this technology, such as preparation of technical documents including brochure, leaflet, technology transfer document, advertisement of the technology and evaluation of party, technology transfer agreement, preparation and the signing of the agreement. Team of developers from Electronics Division and other officials were also present during the occasion.

Dr. Srikumar Banarjee, Director, BARC (third from left) and Mr. Nitin Desai (fourth from left), Managing Director, M/s Chess Medicare Pvt. Ltd., Mumbai signing Agreement. Other dignitaries seen from left to right are Mr. C. K. Pithawa, Head, ED, Mr. R. K. Patil, AD (C), E&IG, Ms. Smita Mule, TT&CD, Ms. Manjusha Desai & Mr. V. J. Shetty, Directors, M/s Chess Medicare Pvt. Ltd., Mumbai, Dr. R. B. Grover, Director, KMG, BARC, & Director SPG, DAE and Mr. A. M. Patankar, Head, TT&CD (extreme right).