



European Organisation for Nuclear Research (CERN)

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Indian Collaborations in CERN and Industry Partnership



Abstract:

- Under the Indian-CERN collaboration, a large number of high-end technology components like superconducting corrector magnets, QHPS supplies, and protection units for LHC; 100kV solid state modulator and couplers for Linac 4 (LHC upgrade) were developed and supplied by India largely involving Indian industries. India also played an important role in the construction and operation of two huge detectors viz. ALICE and CMS. The overall participation has important and significant role in the discovery of the Higgs boson at the LHC in 2012 in participation by Indian scientists. The present talk brings out the glimpses of India CERN Collaboration and emphasizes on participation of Indian Industries in these contributions as well as further opportunities for the Indian Industries to engage in manufacturing and supply of components and subsystems for CERN projects.

About the Speaker:

- Mr. Debashis Das is B.Tech in Electronics Engineering from Mysore university and joined Bhabha Atomic Research Centre (BARC) from 26th batch of BARC Training School in 1983. He is Homi Bhabha awardee of BARC training school in Electronics branch. Mr. Das has held responsible positions in BARC and other DAE unit. He headed Electronics Division, BARC during the period from January 2015 to October 2016 and subsequently as Distinguished Scientist assumed the office of the Associate Director (E), Electronics & Instrumentation (E&I) Group, BARC from November 01, 2016. Mr. Das has held the additional responsibility of Chairman & Managing Director (C&MD) of Electronics Corporation of India Limited (ECIL), Hyderabad from November 2016 to June 2018. Mr. Das has been conferred with many DAE excellence Group Achievement Awards and has been the recipient of the DAE special Contribution Award.

