



Super Conducting Decapole-Octupole Corrector Magnets for CERN



Supply of Super Conducting Decapole-Octupole Corrector Magnets (MCDO) was completed with the last batch shipped to CERN in June 2004. Under DAE-CERN collaboration agreement, CAT was to supply 616 MCDO magnets. MCDO features a unique nested construction of Octupole (MCO) insert mounted inside the Decapole (MCD) bore. It is worth mentioning here that supply from India is much ahead of their European counter part, which is required to supply similar quantity to CERN. All these magnets were subjected to Cryogenic testing at 4.2 K and magnetic measurement at 300 K before shipment to CERN.

Last MCDO magnet was handed over to Dr. V C Sahni, Director, CAT by representatives of industries who participated in manufacture of these magnets in the presence of Shri M. G. Karmarkar Head, Magnet Division & other Superconducting Technology Team Members on June 27, 2004

CAT-KEK-Sokendai School

DAE-BRNS sponsored CAT-KEK-Sokendai School on Spallation Neutron Sources was organized from February 2 – 8, 2004 at CAT, Indore. The School was supported by Asian

Committee for Future Accelerators (ACFA), KEK and Sokendai, Japan. The School was inaugurated by Dr. Anil Kakodkar, Chairman, Atomic Energy Commission & Secretary, DAE. Dr V C Sahni, Director, CAT welcomed the experts from KEK, Japan and the participants of the School.

A team of 12 expert scientists from KEK, Japan had participated and delivered talks in the school along with some of the experts from India. The course of the school was planned with the help of Prof. Shin-ichi Kurokawa and Prof. Isao Yamane of KEK, Japan to cover the major topics of pulse spallation neutron sources such as rapid cycling synchrotron and its various sub-systems like magnets, RF systems, beam instrumentation and beam instabilities, injection and extraction, neutron targets and injector linac with its sub-systems. Around 120 participants attended the school. Shri S Kotaiah, Prof. Shin-ichi Kurokawa and Prof. Isao Yamane, Japan were the Co-conveners and S C Joshi was the Secretary, Organizing Committee.



RETIREMENTS

The following officials are retired on superannuating from CAT during 1/1/04 to 30/6/04

Shri S.T. Bhavsar, Smt.Zeenat Rustagi, Shri R.K. Dudhiya, Shri Babulal Jangali