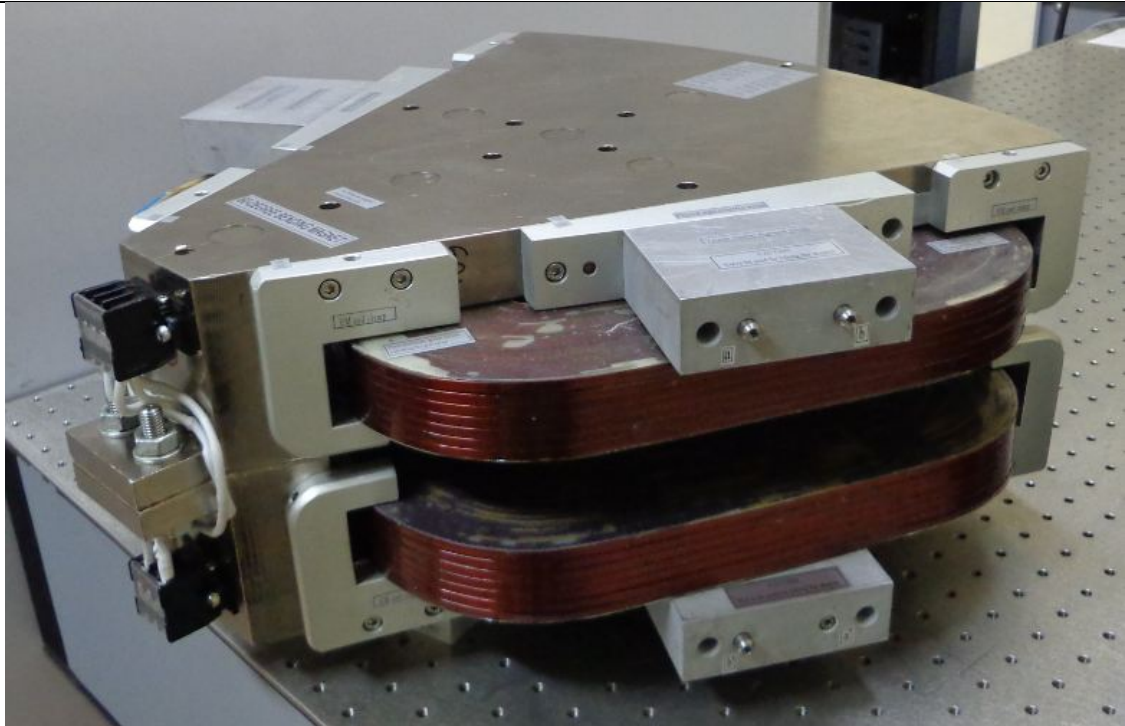


Bending magnet for Delhi Light Source

Bending magnet for Delhi Light Source



Two no. of 60 degree bending magnets have been designed, developed, characterised and shipped to IUAC, Delhi. These magnets will be commissioned in the beamline of Free Electron Laser Facility called Delhi Light Source. They will bend the electron beam to guide them to the target experimental hall for carrying out beamline experiments.

Detailed Report:

FEL is a THZ radiation source that will generate an 8 MeV electron beam and a 0.18-3 THz coherent radiation to be utilised as a light source for different experiments. High energy electron beam will also be used for carrying out beamline experiments. The bending magnets developed produce 0.12 T field at 8 A current with a uniformity better than 500 ppm in the desired GFR.