

Title : Cryogen free superconducting magnet for High gradient magnetic separation



130mm diameter warm bore cryogen free magnet for HGMS

Brief Description: High gradient magnetic separators are used to recover weakly magnetic material from non-magnetic matter which can be used for rare earth materials and various weakly magnetic minerals. In these systems, the separation is due to the high magnetic field and the gradient created in the interaction zone. A 4 Tesla, 130mm bore diameter warm bore cryogen-free magnet is developed and installed in the user facility to carry out HGMS experiments.

Month: May

Year : 2020

Number of installations: 1 No of SC magnet is installed in UED, BARC.