



X-Ray Fluorescence Spectrometer

Manganese Ore (India) Limited has introduced the instrumental analysis of Mn Ore in Manganese industry for the first time in India through the **XRF (X-ray fluorescence spectrometer)** on dated 24/8/2006. The XRF is an analytical method to determine the chemical composition of all kinds of materials. The materials can be solid, liquid, powder filtered or in other form, XRF can also some times be used to determine the thickness and composition of layers and coatings.

The method is fast, accurate and non-destructive and usually requires only a minimum of sample preparation. Applications are very broad and include the metal, cement, oil, polymer, plastic and food industries along with mining, mineralogy & geology and environmental analysis of water and waste materials. XRF is also a very useful analysis technique for research and pharmacy.

In Manganese Ore (India) Limited **XRF** is used for analysis of Mn-ore samples like Mn, SiO₂, Phos, Fe, Ni, Cu, Pb, K etc. for fast controlling the quality of Manganese Ore & dispatch to the buyers.