

Camera Shielding System with Pan, Rotation and Zoom facility for Hot-cell Application

The Hot-cell operations at Waste Immobilization Plant, BARC are carried out largely on the basis of video feedback from CCTV cameras installed inside the Hot-cell. These cameras require frequent replacement due to radiation damage, which leads to plant downtime and radiation dose to the operator who is carrying out the replacement. The Camera Shielding System developed and installed at WIP provides arrangement for shielding to the electronic parts of the camera to enhance the life of the camera in the radiation field. The system provides Scan, Rotation, Zoom and Image Correction Facilities for proper coverage of area under observation.



The Shielded Camera System



The System Installed on the In-cell Crane at Site