

To

The Owners, Agents and Managers of all mines

**Sub:- Specifications for x-ray View Box and Viewing Facilities in PME Centers.**

A good quality x-ray View Box and proper viewing facilities are absolutely essential for evaluation and classification of chest radiographs in accordance with ILO Classification.

It has been observed during inspection of PME Centers that x-ray view box and viewing facilities in most PME Centers are extremely inadequate. All concerns are therefore directed to take necessary action to provide x-ray view box and viewing facilities in PME Centers with following specifications;

1. The x-ray view box for screening and evaluation for chest radiographs should be able to accommodate at least four (4) chest radiographs of 14"X17" size.
2. The x-ray view box should be free from partitions and have uniform illumination.
3. The prospect sheet should be at least 2 mm in thickness and Ivory White in color.
4. The prospect sheet should be replaced whenever it shows signs of discoloration or improper illumination.
5. The x-ray view box should be illuminated by fluorescent tubes and the depths of view box should be such that illuminating tubes are not visible through the prospect sheet.
6. The illumination level at the centre of view; box should be at least 500 Lux measured at a distance of 15 centimeters from the view box.
7. The illuminating tubes should be replaced at regular intervals.
8. Wherever voltage fluctuation is a problem, a constant voltage supply mechanism should be provided for the view box.
9. Adequate space should be available so that the radiographs can be viewed from a distance of 15 as well as 100 centimeters.
10. A set of ILO International Classification of Radiograph of Pneumoconiosis, 2000 should always be available at PME Centers for screening of chest radiographs.

Sd/-  
(M.M.Sharma)  
Director General of Mines Safety